

• Special Issue—15 Years Of Home Video •

VIDEO

magazine

\$2.95 • SEPT. 1993

**Your
\$5,000
Big-Screen
Choice**

.....
**THE NEXT
15 YEARS**

**Interactive,
Digital, Hi-Def &
Compressed**

SPECIAL

**VIDEO'S
TUMULTUOUS
ROOTS**

VIDEOTESTS

**S-VHSVCR,
Combi Player,
8mm VCR &
Camcorder**

ANNIVERSARY

#BXBGLCX*****
#EBR26136096 B#513476 4CP46

NOV 94
0902

INSIDE THE
HITACHI

VM-E55A



*"The chips,
the transport,
the electronic
circuitry, and the optics
are proof of Hitachi's
excellence in engineering."*

THE RIGHT PRODUCT

To achieve true engineering excellence, a camcorder must be great without drawing overt attention to its greatness. The camcorder must address real working needs. It must be easy-to-use, perform flawlessly, maximize creativity, and produce videos that exemplify the state-of-the-art. The engineering must be present but invisible. Easier said than done.

With their new 8mm VM-E55A, the engineers of Hitachi have developed an attractive and ergonomic camcorder that is much more than just another "pretty face." The VM-E55A's superlative performance is built into the chips, transport, electronic circuitry, and optical system — proof of Hitachi's leadership in video engineering and design.

THE RIGHT FEATURES

The VM-E55A offers feature advancements ordinarily reserved for much heavier and higher-priced models. It is a diminutive (3 5/8 x 4 1/2 x 8-inch), lightweight (1.9 lbs) camcorder that videotapes effectively in light as low as 1 lux, with a unique electronic image stabilization system and a 16:1 power zoom. Its autofocus system uses a foolproof through-the-



The Hitachi engineers have developed a camcorder that is more than a pretty face.

lens approach and its white balance and auto iris are both controlled by a highly-sophisticated artificial intelligence circuit. Its digitally programmed autoexposure system provides perfect pictures with pinpoint accuracy.

Hitachi engineers surveyed camcorder users and found that both shooting and editing are of equal importance to today's videographer. As a result, insert editing and dual-machine synchro-edit control are added for post-production utility. A lens macro setting lets you shoot subjects as close as 3/8-inch, while the shutter speed automatically switches between 1/60 and 1/4000 seconds.

The camcorder is designed for someone who truly cares about picture quality and creative options. Yet it is still very easy to use. This user-friendly engineering is even extended to the remote that controls both the camcorder and most brands of TV.

THE RIGHT ENGINEERING

The engineering advancements that define the VM-

E55A begin at the micro-processor level. Hitachi has applied its international R&D muscle to an innovative miniaturized microprocessor architecture that enhances even standard camcorder functions.

The VM-E55A's zoom offers an array of microprocessor-controlled options. A Digital Zoom function extends the range of the power zoom to 16-times, while an Instant Zoom button magnifies any scene instantly an additional 1.5-times. The camcorder is also smart enough to automatically focus on the subject in the center of the viewfinder unless the manual focus is engaged.

Other dedicated micro-processors operate Hitachi's acclaimed Electronic Image Stabilizer, which is known throughout the industry for



User-friendly engineering extends the many brand remote that a control both the camcorder and most TV brands.

INSIDE THE VM-E55A CAMCORDER

Automatic white balance and auto iris functions are controlled by artificial intelligence circuitry to deliver picture perfection.

Advanced 270,000 pixel CCD optimizes the clarity of the 8mm video system.



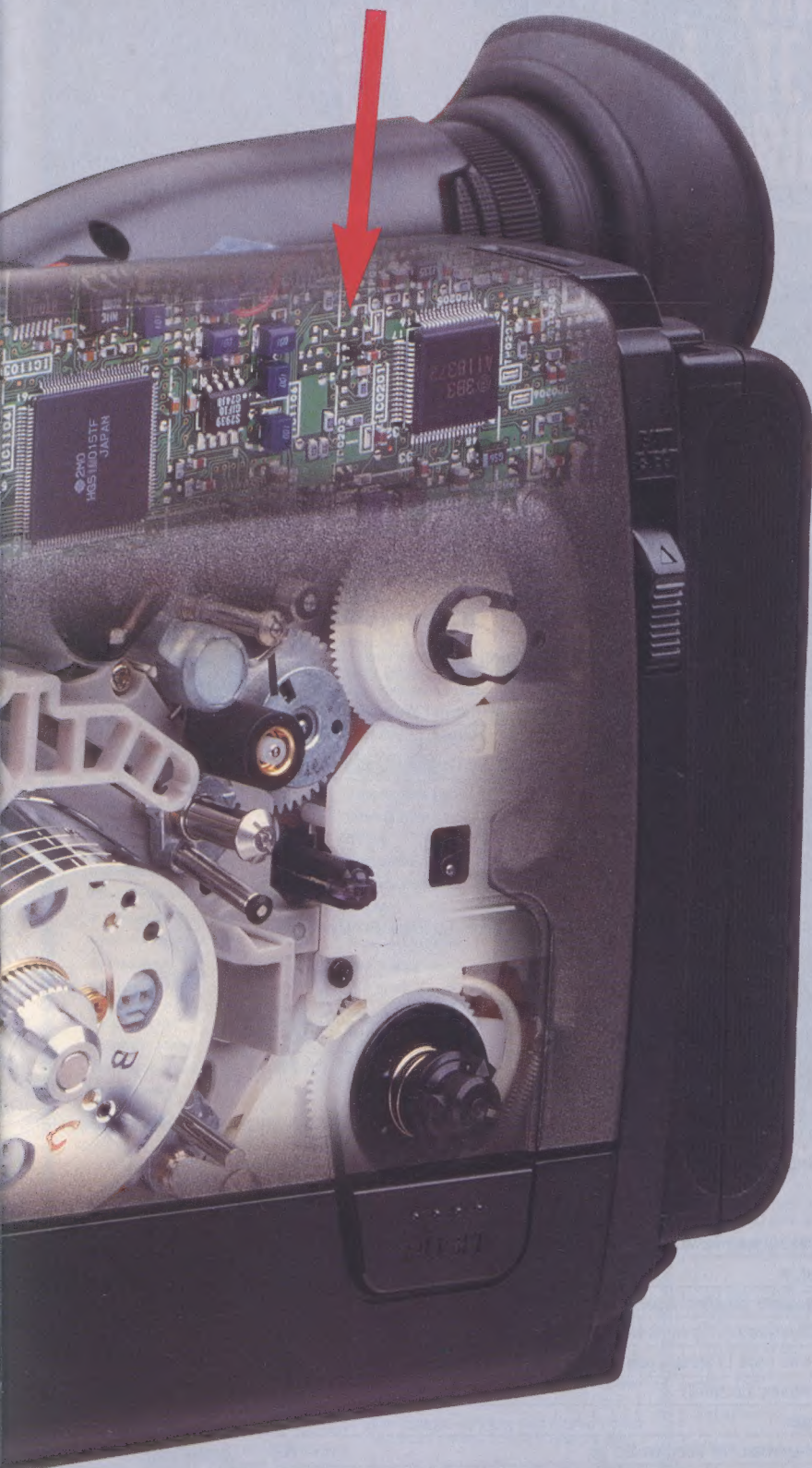
Streamlined and ergonomic design maximizes creative flexibility.

Hitachi's acclaimed electronic image stabilization system.

ly
eering
ds to
ulti-

e
llows
ol of
he
order
ost
nds.

Digital and instant zoom settings provide immediate and accurate scene magnification.



removing extraneous motions without image degradation. Three fade modes are digitally encoded: white fade (standard fade), curtain-wipe fade (whereby two vertical curtains wipe the scene off the screen), and zoom fade (zooming to a white screen). An electronic character generator stores two different titles in memory and allows users to customize their titles with two lines of 16 characters for each title.

THE RIGHT DESIGN

Hitachi's designers have fashioned a streamlined and well-balanced exterior that complements the unit's engineering aesthetic. Overall, the pride, quality, and advancements that went into the making of the VM-E55A are reflected in the fact that it is already the most successful camcorder debut in the company's history.

The Hitachi engineers have met the challenge. They have developed an 8mm camcorder that delivers the most important features and the most efficient operation for a most affordable price. Try it out for yourself to appreciate the accomplishment. You'll see why the VM-E55A truly represents Excellence in Engineering.

For more information on the Hitachi VM-E55A, please write to:
Hitachi Home Electronics (America), Inc., Customer Service Dept.,
3890 Steve Reynolds Boulevard, Norcross, GA 30093-3012
or call **1-800-HITACHI**

VIDEO

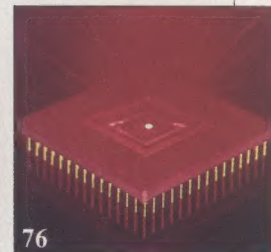
magazine



32



34



76

FEATURES

'FIVE GRAND' TVS	52
Tube, projection, square or wide? A guide to high-end big screens. By Martin Levine	
SPECIAL ANNIVERSARY ISSUE	57
15 years of home video	
NON-STOP REVOLUTION	58
From format wars to rental stores, an insider's guide to the video era's greatest moments.	
AGAINST THE ODDS	62
How laserdiscs survived the shadow of the VCR to find a place in the sun. By Stewart Wolpin	
VIDEO VISIONARIES	64
How 15 innovators used pluck, luck and genius to change the way we watch. By George Mannes	
15 TITLES THAT SHOOK THE WORLD (OF VIDEO)	68
A videophile's guide to ground-breaking tapes and discs. By Bruce Eder	
HOME-TECH HIT PARADE	72
15 exciting products no videophile should have to live without. By Brent Butterworth	
THE NEXT 15 YEARS	76
Innovation hits the fast lane—15 trends and technologies that will shake up video. By Frank Beacham	

TAPES & DISCS

REVIEWS / Scent of a Woman, Groundhog Day, Chaplin, Tosca on laserdisc, more	104
EDITOR'S CHOICE / Clint Eastwood boxed set	105
DIRECTORY / The latest releases on tape and disc	110

VIDEOTESTS

JVC HR-S6900U S-VHS VCR, Canon E520 8mm camcorder, Sony MDP-600 combi player, Samsung XD3500 8mm VCR. By Berger-Braithwaite Labs	34
--	----

DEPARTMENTS

CHANNEL ONE / Looking back, looking forward	8
FEEDBACK / Letters from readers	10
FAST FORWARD / THX gets wired, Bill Murray speaks out, more	12
NEW PRODUCTS / JVC 16:9 projection TV, wireless products from Recoton and Acclaim, more	18
CAMCORDER / How to use time code to tighten your video editing	22
HOME THEATER / Is your screen too small?	24
Q & A / Technical queries answered	29
HANDS-ON TEST / Personal eyeware for video on the go	32
OFF THE AIR / It's 2008. Do you know where your TV is?	136

Cover:

15 Years of Video Magazine, a special anniversary issue.

Computer-generated art by Graphic Systems

Video Magazine
Volume XVII
Number 6



VIDEO Magazine (ISSN 1044-7288) is published monthly by Reese Communications, Inc., 460 W. 34 St., New York, NY 10001. Second-class postage paid at New York, NY and additional mailing office. © 1993 Reese Communications, Inc. All rights reserved. © under Universal, International, and Pan American Copyright Conventions. Reproduction of editorial or pictorial content in any manner is prohibited. Single copy price \$2.95; \$3.50 in Canada; £2.50 in U.K. One-year subscription (12 issues) \$15.; Canada, \$22.47 (includes GST #R125938423) U.S.; foreign, air mail, \$40 U.S. Canadian international publication permit #546488. Address subscription orders, change of address, correspondence and inquiries to: VIDEO, Box 56293, Boulder, CO 80322-6293, or call toll-free 800-365-1008. Change of address takes 60 days to process: send old address label, new address, and zip code. All material listed in this magazine is subject to manufacturer's change without notice, and publisher assumes no responsibility for such change. POSTMASTER: Send address changes to VIDEO, Box 56293, Boulder, CO 80322-6293. For microform copies of issues or articles, write to: Serials Acquisition Dept., University Microfilms, Inc., 300 North Zeeb Rd., Ann Arbor, MI 48106.

THE ULTIMATE MOVIE EXPERIENCE.

OWN

3 LASER DISCS

\$7⁰⁰

EA.

SEE DETAILS BELOW.

Cool World	*1084706
Forever Young	*1104306
Howard's End	*1102805
Paul McCartney's "Get Back"	0234708
Basic Instinct	*1033208
Death Becomes Her	*1071505
The Last Of The Mohicans (1992)	*1071406
The Godfather	0000802
The Godfather Part III	0842302
Dune	0211102
Home Alone	*10104208
My Cousin Vinny	1033109
The Blues Brothers	0211706
The Last Boy Scout	*0779108
Goodfellas	*0969808
Back To The Future	*0211409
Back To The Future Part II	*0921304
Back To The Future Part III	*0497008
Far And Away	*1046507
Bugs Bunny Classics	0297705
Field Of Dreams	0920306
The Prince Of Tides	*0847103
New Jack City	0971507
Boomerang	*1064005
Fried Green Tomatoes	1005404
A League Of Their Own	*1078005
Madonna: Truth Or Dare	*0232900
Passenger 57	*1087709
Sneakers	*1071604
Terminator 2: Judgment Day	*0233205
Universal Soldier	1059104
The Sound Of Music	*0003905
The Silence Of The Lambs	0805309

Die Hard	*0367607
Die Hard 2	*0041806
The Hunt For Red October	*0825000
The Abyss	*0881102
Backdraft	*0559005
Alien	0000208
Aliens	0360909
Alien 3	*1042506
The Bible	*0074708
Conan The Barbarian	*0220509
The Empire Of The Sun	*0633206
Chinatown	*0202507
The Wizard Of Oz	0001404
Always	*0921502
Fatal Attraction	0439307
National Lampoon's Animal House	0211508
It's A Wonderful Life 45th Anniversary Ed.	0392308
Jaws	0100008
North By Northwest	*0844209
The Man Who Would Be King	*0085803
Beverly Hills Cop	0205302
Beverly Hills Cop II	0431908
Bugsy	*0853408
Casablanca	0050708
Henry V (1990)	0040303
Patton	0788703
Robin Hood: Prince Of Thieves	*0976803
Lethal Weapon	0630806
Lethal Weapon 2	*0642702
Lethal Weapon 3	*1051507
Predator	*0364901
Predator 2	*0104307
Ghost	*0826008
2001: A Space Odyssey	*0844308



Dances With Wolves
*0805200



Under Siege*
1077908



Star Wars
*0056408



Return of The Jedi
*0354704



The Empire Strikes Back
*0091009



Bladerunner
(Director's Cut)*
1097906

Star Trek—The Motion Picture	*0203505
Star Trek II—The Wrath Of Khan	*0201301
Star Trek III—The Search For Spock	*0201608
Star Trek IV—The Voyage Home	*0430603
Star Trek V—The Final Frontier	*0448605
Star Trek VI—The Undiscovered Country	*1001007
Superman: The Movie	*0001305
The African Queen	0051102
Kindergarten Cop	0523407
Dangerous Liaisons	*0638700
Blue Velvet	*0515007
Hard To Kill	0953505
Road Warrior	0602805
Beetlejuice	0633008
American Graffiti	0211300
Harry Connick, Jr.: Singin' & Swingin'	0968107
All Dogs Go To Heaven	0289702
Chariots Of Fire	0601401
Memphis Belle	*0983502
Forbidden Planet	*0844407
Black Rain	*0911701
Edward Scissorhands	0104604
Body Heat	0602003
Caddyshack	0602300
Hamlet (1990)	0970608
Patriot Games	*1051309
E.T.: The Extra-Terrestrial	0681106
Batman (1989)	*0642504
Batman Returns	*1029909
Scarface (1983)	0216804
Hook	*0854307
Lawnmower Man	1014505

Here's a great way to build a collection of your favorite movies—on laserdiscs! Just write in the numbers of the 3 laserdiscs you want for \$1.00 each, plus shipping and handling. In exchange, you simply agree to buy two more laserdiscs in the next year, at regular Club prices (currently as low as \$29.95, plus shipping and handling)—and you may cancel membership at any time after doing so.

Free Magazine sent every four weeks (up to 13 times a year) reviewing our Director's Selection—plus scores of alternate choices, including many lower-priced laserdiscs. And you may also receive Special Selection mailings up to four times a year. (That's up to 17 buying opportunities a year.)

Buy only what you want! If you want the Director's Selection, do nothing—it will be sent automatically. If you'd prefer an alternate selection, or none at all, just mail the response card always provided by the date specified. And you'll always have 14

days to decide; if not, you may return the selection at our expense.

Money-Saving Bonus Plan. If you continue your membership after fulfilling your obligation, you'll be eligible for our generous bonus plan. It enables you to enjoy great savings on the movies you want—for as long as you decide to remain a member!

10-Day Risk-Free Trial. We'll send details of the Club's operation with your introductory package. If not satisfied, return everything within 10 days for a full refund and no further obligation.

For fastest service, use a credit card and call us toll free 24 hours a day:

1-800-538-2233 Dept. M5B

**COLUMBIA
HOUSE
LASERDISC CLUB**

Entertaining
America...
One Person
at a Time.®

Columbia House Laserdisc Club

Dept. M5B P.O. Box 1112, Terre Haute, Indiana 47811-1112

Yes, please enroll me under the terms outlined in this advertisement. As a member, I need buy only 2 more selections, at regular Club prices, within the coming year.

Send me these 3 laserdiscs for \$1.00 each plus \$1.50 each shipping and handling (total \$7.50)

Please Check How Paying:

☐ My check is enclosed 2QY/2QZ

☐ Charge my introductory laserdiscs and future Club purchases to:

☐ MasterCard ☐ Diners Club ☐ AMEX ☐ VISA ☐ Discover

Acct. No. _____ Exp. _____

Signature _____

Name _____

Address _____ Apt. _____

City _____ State _____

Zip _____ Phone No. (____) _____

Note: Columbia House Laserdisc Club reserves the right to reject or cancel any membership. Offer limited to continental U.S. (excluding Alaska). Applicable sales tax added to all orders. 1400 N. Fruitridge Avenue, Terre Haute, IN 47811-1112

*Letterbox

© 1993, The Columbia House Company

120/F93

Looking back, looking ahead

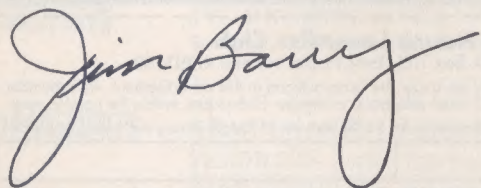
One of the best things about looking back at the way things were is that it helps us focus on looking ahead, to think about the way things might be in the years to come. In the past few months the *Video Magazine* staff has spent a lot of time looking back over the brief, turbulent history of home video reflected in these pages. *Video Magazine* was there at the beginning and remains the one constant source of information for video enthusiasts, the only consumer magazine that traces an unbroken line of continuous publication throughout the Video Era.

You can join us in this retrospective by turning to the special 15th-anniversary section that begins on page 57. But home video is still chiefly about looking ahead, about pushing the technological envelope in search of better ways to bring high-quality video entertainment to the home, just as *Video Magazine* has, since its inception, been about keeping you ahead of the curve with the latest information about products, technology, programs and trends.

That's why this anniversary issue includes a selection of some of today's hottest state-of-the-art gear by Senior Editor Brent Butterworth. We're also taking a long look forward, with Contributing Editor Frank Beacham's help, at what the next 15 years may bring as video moves into its digital era. Crystal-balling is an inexact science, but our editorial staff took a crack at it and the results, tongue only partly in cheek, are reported by Managing Editor Stan Pinkwas in "Off the Air."

Fifteen years after *Video Magazine* first appeared on newsstands, home video is as tumultuous as ever as it stands on the threshold of an era that promises new generations of products, programs and delivery systems. We look forward to bringing that new era to you.

You'll notice a fresh look in parts of the magazine this month thanks to new heads by Art Director Marshall Moseley for our regular columns and departments. We've recast "Gazette" as "Fast Forward" and added several new elements. "New Products" follows immediately, so you can quickly keep up to date with the latest happenings in home video.



James M. Barry
Editor

VIDEO

magazine

President and Managing Director,
Jay Rosenfield

Editor, James M. Barry

Managing Editor, Stan Pinkwas
Technical Editor, Lancelot Braithwaite
Senior Editors, Kenneth Korman,
Brent Butterworth
Assistant Editors, Brian Clark,
April P. Bernard
Contributing Editors: Bob Angus, Mavis
Arthur, Bob Barlow, Frank Beacham, James
Caruso, Steve Daly, Steve Ditlea, Bruce
Eder, Ron Goldberg, Ty Harrington, David
Lachenbruch, Gordon McComb, Marianne
Meyer, Cliff Roth, Rich Warren, Roderick
Woodcock

Art Director, Marshall Moseley
Associate Art Director, Vera Naughton
Art Assistant, Luis Ramos Jr.
Production Manager, Gary M. Krystofiak
Production Assistant, Kim Lau
Typesetting, Janet M. Holland

Publisher, Eric C. Schwartz

Associate Publisher, Linda DeRogatis
Advertising Director, Marvin Lewis
Circulation Director, Rodney Bell
Circulation Assistant, Rosemary Y. Paver
Newsstand Sales Director, Gerald Levine
Marketing Director, Luanne Rao
Financial Officer, Mark C. Spector, C.P.A.
Business Manager, Janette Evans
Assistant Business Manager,
Lily Schwartzberg
Advertising Coordinator, Karen Pellino
Assistant to the President,
Kenneth Bell

Corporate Offices, Editorial & Sales: 460
West 34 Street, New York, NY 10001;
212-947-6500, 212-947-6727 (fax)

West Coast Sales Office: Linda DeRogatis,
Karolynn Humberd, 1453 Third Street,
Suite 490, Santa Monica, CA 90401;
310-393-5057, 310-393-5538 (fax)

Chicago Sales Office: Milton Gerber,
Kristene Richardson, Media Plus, 195
Arlington Heights Road, Suite 160, Buffalo
Grove, IL 60089; 708-913-5400,
708-913-5403 (fax)

Editor-in-Chief, Art Levis (1936-1991)

R REESE
COMMUNICATIONS
INCORPORATED

PRINTED IN THE U.S.A.

The only way we could make home theater sound any better was to lower the price of admission.

There was a time when you had to be made of money to put together your very own home theater system.

Fortunately Yamaha's affordable new RX-V470 A/V receiver has changed all that.

It's the only receiver priced under \$500 that combines Yamaha Cinema DSP, digitally processed Dolby Pro Logic® and equal power in the right, left and center channels (a powerful 50 watts each). The only one.

CINEMA™ DSP Cinema DSP, as you probably recall, is a remarkable advance that combines two of the most exciting developments to come down the audio turnpike in quite some time.

Yamaha Digital Sound Field Processing (DSP), a unique technology which recreates the actual acoustics of some of the most famous performance venues right in your home.

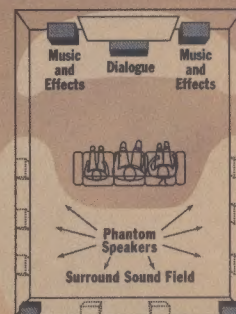
And Dolby Pro Logic, which places movie dialogue and sound effects around the room, precisely as the director intended.

When combined, these two technologies create "phantom" surround speakers that allow sound to travel beyond the normal range of your actual surround speakers. Something which expands your room's sound field to recreate the bigger-than-life acoustical experience of a modern-day movie theater.

In short, Cinema DSP stands everything else on its ears. And until now, it's something you could only expect to find on Yamaha's more expensive A/V receivers and amplifiers.

Yamaha's impressive new RX-V470. You'll be hardpressed to find an A/V receiver that gives you as much bang for your buck.

Or even as much crash and kaboom, for that matter. **YAMAHA®**



Yamaha's exclusive Cinema DSP fills every nook and cranny.

For the dealer nearest you, call 1-800-4YAMAHA today.



HBO

SATELLITE SERVICES, INC.

NEWS

September 1993 Number Seven

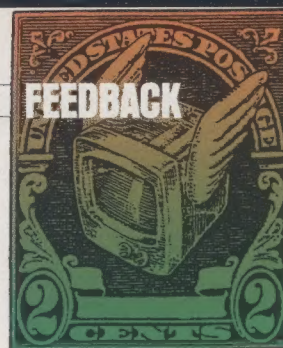
Have you ever seen satellite TV? If not, you don't know what you're missing! Because satellite TV offers you the ultimate home entertainment feast: excellent audio reception...exceptional video reception...and superior programming choice. Interested?

Getting Started is now easier than ever. Your local professional satellite dealer can help (he's listed in the Yellow Pages under "Satellite Television" or call 1-800-285-5621 for a dealer referral). He'll be able to demonstrate a variety of home satellite systems in different price ranges that meet your particular needs, and work best in your part of the country. There's even a smaller-sized dish that gives you the same quality features at a lower cost. And don't worry. Your home satellite system will be easy-as-pie to operate. All you have to do is just push a button on your remote control.

And choosing your programming is easy, too. For lots of home satellite system owners, HBO Satellite Services is their first stop. You'll have a variety of programming packages that include the most requested channels like CNN, ESPN, TBS, and TNT to choose from. You also get multiplex HBO and Cinemax — three channels of HBO and two channels of Cinemax, each with their own unique schedule and programming mix. You get HBO, HBO2, HBO3, Cinemax, and Cinemax2 — all for the cost of your regular HBO/Cinemax subscription. It's a great value, and a great way to watch TV.

So, check out satellite TV and multiplex HBO and Cinemax today. You won't believe your eyes and ears!

**Want to know more? Call
HBO Satellite Services at
1-800-285-5621.**



HDTV, widescreen TV & the Cable Act

Get the drool bucket

Craig Hubler's observation about the lack of interest in HDTV ("Feedback," July '93) caught my eye. Is there a "typical" consumer in the purest sense? If so, are they all "perfectly content" with their equipment? You can find me, almost anytime, at the fence of financial reality, tongue dangling, peering over at the electronics promised land. Believe me, if that fence didn't exist, I'd be right at the front of the line, currency in hand, ready to trade up from 240 lines of resolution, a 20-inch picture and non-Pro-Logic sound. For my part, I can only say that after reading my monthly copy of *Video Magazine*, there's no point in giving it to anyone else, it having been rendered unreadable from being drooled upon. Hey, they're gonna do HDTV anyway; relax and enjoy, when—or if—you can!

Fred Barrett
North Plainfield, New Jersey

Squaring the circle

In response to this concern over losing image area in a widescreen format ("Feedback," July '93): One might apply the same argument to film. Try telling anyone involved in film production that he will lose image area by shooting in CinemaScope and he will have you put away in a rubber room. What has drawing rectangles in a circle got to do with anything? When you want to shoot a scene, you don't use whatever lens or setting happens to be in place. You decide what you want to see, then pick the lens that will give you the image frame you desire. You don't start with the circle (lens), then make the rectangle (scene) fit. This is one reason the zoom lens was invented. Apparently, Dr. Johnson has never seen one.

Bruce Hansen
Stone Mountain, Georgia

Head drum case

In his response to Bob Osborne in your June "Q&A," Roderick Woodcock writes that RCA's CC360 VHS camcorder has a 44mm-diameter head drum. The CC360 is equipped, as are all

RCA VHS camcorders, with a 62mm head drum. A full-size head drum maintains image stability during playback on a home VCR. There are other possible reasons for the image shift on the third-generation tapes that Osborne mentioned, but head drum size differential is not the problem.

Sam Scialdone
Sales Education/
Training Program Manager
Thomson Consumer Electronics

Editor's reply: We stand corrected.

No-win situation

The new cable regulations ("Cable Scorecard," Apr. '93) set up a no-win situation for all but FCC attorneys. Here's why: First, adding more regulations does not solve any problems. Cable



competition is legal in only a few towns in the U.S. In these towns, customer service is superior and cable prices are lower. Second, government regulation is expensive.

Finally, when a state-protected monopoly censors, it differs little from government censorship. The 1992 Cable Act enables each cable monopoly to impose new editorial controls over the content of local cable-access channels. The courts have ruled that access programming is free speech subject to First Amendment protections. With the new regulations, cable-access programming will be less diverse.

Jeffrey Chase
Boston, Massachusetts

Video Magazine welcomes your comments. Address correspondence to Feedback, Video Magazine, 460 West 34 Street, New York, NY 10001.



HOTTER SAX.

Digital music sources and home theater have heated up the home entertainment scene. To meet the challenge, the all-new Infinity Reference Standard



Series speakers employ exclusive technologies to deliver hotter performance without burning a hole in your wallet.

At Infinity, we believe

it's not how much you spend,
it's how well you spend it.

 **Infinity**

AS FAR AS YOU CAN HEAR.

A monthly chronicle of people, products, technology & trends

Trading places

▶▶▶ "It's never easy. No matter how easy you think it's going to be—making movies is hard," says Bill Murray of his experiences on the set of *Mad Dog and Glory*, now on tape and disc from MCA/Universal Home Video. The film presented an unusual challenge for the much-loved comedian. For the first time in his career, he got to play the heavy, a vicious Chicago gangster who "owns" a beautiful bartender played by Uma Thurman. Robert De Niro was also



Glory Days:
Murray and De Niro
play against type.

cast against type when he took the role of a timid police crime technician who must stand up to Murray's tough guy to save the girl. The two actors found their working methods to be as different as their reputations suggest.

"Bob likes to narrow his concentration to a certain area, and I like to become looser and help everyone release tension on the set," Murray explains. De Niro's intensity was somewhat intimidating for the comedian, at least at the start. "You're on your way to the set and you think, 'This son-of-a-bitch is going to be completely ready to work when I get there.' It's very alien to my nature."

Did Murray model his character after any of De Niro's famed big-screen bad guys? "It wouldn't have been appropriate," deadpans Murray, "to act like the catcher in *Bang the Drum Slowly*, not too professional at all."

—KK

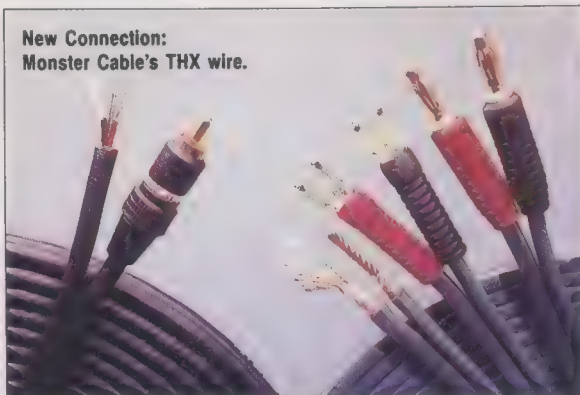
THX gets wired

▶▶▶ Many in the home theater industry greeted Lucasfilm's new THX licensing program for speaker and interconnect cables with chuckles

and skepticism. But this venture could be the most important event in the history of the audio cable industry.

The idea for THX cables arose from problems installers encountered when using exotic audiophile cables. According to Anthony Grimaldi, director of li-

New Connection:
Monster Cable's THX wire.



censing for Lucasfilm THX, many of these cables are not based on sound electrical principles—they often exhibit high capacitance, resistance or inductance, all of which can greatly degrade sound. Cheaper cable can also suffer from these deficiencies. Lucasfilm measures all cables submitted for THX approval to make sure they're free of these problems. Each cable has a specified maximum length, so you don't have to worry about the sonic problems caused by long wire runs.

This standardization could help calm the nerves of audio/videophiles who have been confused by the long-running debate about audio cable. Most audiophiles say high-end cables sound better; most engineers say that if a cable makes your system sound different, it's

THE ROM ROARS

▶▶▶ *Jurassic Park's* extraordinary visual effects may have brought dinosaurs back from extinction at theaters across the U.S. this summer, but the film's production team had another secret weapon in its quest for cinematic realism: Digital Theater Systems (DTS), a new audio playback system exclusively for theaters that reads up to 3-1/2 hours of discrete six-channel sound from a single five-inch CD-ROM disc.

DTS uses a digital time code printed on the film to control a separate CD-ROM player and disc. The two other digital theater systems—Sony Digital Sound and Dolby's SRD—place the entire soundtrack on the film itself, where it is reportedly far more susceptible to damage and requires greater data compression, theoretically dropping sound quality.

Because DTS is so inexpensive—systems range from about \$4,000 to \$6,000 compared with \$15,000 to \$20,000 for the competing digital systems—approximately half of the more than 2,000 theaters that showed *Jurassic Park* installed the system. With so many DTS theaters ready to go, many more films are likely to be released with DTS sound. Meanwhile, the five-inch disc marches on toward apparent dominance of both theatrical and home entertainment media.

—KK

THE NUMBER

25,000,000

The number of copies of
Beauty and the Beast sold by
Walt Disney Home Video.

QUOTE OF THE MONTH

"Our research indicates that laserdisc consumers will never accept MPEG-1 picture quality."

—TETSURO KUDO,
president, Pioneer Laserdisc Corp. of America,
on soon-to-be-released video CDs that
employ the video standard of the
Moving Pictures Experts
Group.

doing something wrong. Lucasfilm takes no sides, but if a cable is THX-certified, at least you'll know the cable isn't *degrading* the sound.

The cables use a new color-coding scheme created for home theater. The left channel is blue, the right is red, the center is green, the subwoofer is blue, the left surround is blue on a white field, and the right surround is red on a white field. Both speaker and line-level THX cables are available. There's also a multichannel interconnect with 25-pin connectors. With this cable, it's not necessary to connect six cables from the decoder to the amps. You connect only this one. The new Kenwood THX electronics already accept this cable.

Fittingly, the first THX cables come from Monster Cable, the wire of choice for movie sound facilities and theaters. (Many movies carry a "Made With Monster Cable" credit.) With interest among installers very high, we expect THX cables to earn acclaim among home theater enthusiasts—and to bring standards to an industry that sorely needs them. —Brent Butterworth

TV on a budget

What if you could end the arguments with your kids over how much time they can spend glued to the tube? Better yet, what if you could get your kids to limit their own time? Thoughts like these inspired Miami inventor Randal Levenson to create TV Allowance, an ingenious device to

help parents set viewing limits kids will accept.

The TV Allowance is a two-pound keypad with an LCD readout that works like a debit card to help families manage how much television is watched in a

household. Parents can program the device for each of up to four children. Each kid, using a personal access code, can then watch TV or play videogames to the limit of his or her time allowance, but no more.

The idea is to make kids responsible for their own TV habits, according to Levenson, who says it usually takes kids about two weeks to get used to the idea, although the system cuts down on conflicts right away.

TV Allowance keeps tab for each minute of viewing and automatically rolls over an unchanged allotment from week to week. Kids can check to see how much time is left or save up unused time. Parents can block out segments of the day, like late at night, when they don't want kids watching any TV, and can override their own instructions for special occasions.

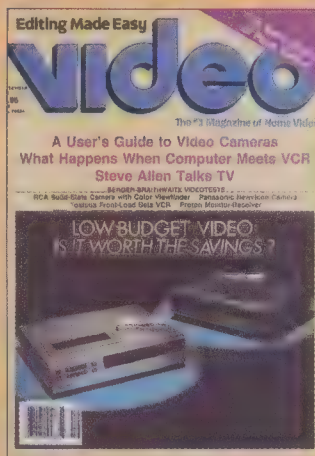
TV Allowance is priced at \$99 and is available from Mindmaster Inc. For further information call 800-231-4410.

Art for video's sake

A Florida company wants to transform the unsightly hodgepodge of your videocassette shelves into a work of art. VC aRt from the Perchard Co. of Fort Lauderdale offers four colorful designs of adhesive paper divided into five parts. Each part is attached to the spine of an individual cassette box and stacked side by side on a shelf and *voila*, a pretty picture. Hmmmm, where did I put *Terminator 2*? Was it behind the hot air balloons or the dancers?

TIMESHIFT

TEN YEARS AGO IN VIDEO MAGAZINE



September 1983

"By the end of this year, just as we are ready to enter ominous-sounding 1984, the videocassette recorder will be in 10 percent of our homes. So while the rest of us celebrate the new year, the people who make and sell VCRs will celebrate the greening of the VCR into a mass-market commodity. Though VCRs are more likely than ever to be characterized as household appliances, rest

assured this magazine will continue to regard them as the cornerstone of the home video hobby...Sony has begun selling blank VHS tape. The initial offering is a a T-120 cassette priced at \$24.95...New CED videodisc releases this month include *Spellbound*, *In the Heat of the Night*, *Sergeant York*, *Love Me Tender*, *First Blood* and *The Good, the Bad, and the Ugly*...For the moment, tube technology has the nod in the low-light department—an important consideration since many amateur videographers elect to avoid the expense and fuss of supplementary lights. But solid-state imaging devices like CCDs are starting to arrive...Cable TV of the 1980s could start to look like broadcast TV of the 1950s and '60s if recent trends continue."

Late Breaking News

T E N V C R manufacturers are meeting this month to develop technical standards for digital HDTV VCRs for consumers. Participants include Hitachi, Mitsubishi, Philips, Sanyo, Sharp, Sony, Thomson, Toshiba and JVC. At presstime, the specifications will call for quarter-inch metal-evaporated tape (or something similar), running at double speed for HDTV recording. Two cassettes are planned: a five-by-three-inch version for VCRs and a DAT-sized one for camcorders. The digital audio would use 48-kilohertz, 16-bit sampling for stereo, 32-kHz, 12-bit sampling for four-channel sound.

THE VIDEO CD CAME CLOSER to reality this summer as 10 companies announced they will back the so-called White Book standard, originally developed by JVC and Philips for karaoke. The standard is based on MPEG-1 compression. It offers 74 minutes of video (sub-VHS quality, we'd guess) and audio on a five-inch CD.

While many videophiles are probably tiring of hearing endless talk about new video CD formats, this one looks real—backers include Sony, Matsushita, Philips, JVC and Paramount Home Video.

THE CLINTON ADMINISTRATION's fascination with high-tech clearly extends to video. According to *The New York Times*, deputy chief of staff Mark D. Gearan stashes a camcorder in his desk so he can ambush visiting movie stars with pleas for videotaped hellos to his year-old daughter. "I feel like a bad reporter for *Variety* lurking in the West Wing" to catch celebrities, said the star-struck deputy.

UNIVERSAL PICTURES JOINS Paramount and Columbia TriStar as a source of hit movies for pay-per-view on Hughes' DirecTV when the high-powered DBS system goes into service next spring.

THE APPLE MACINTOSH HAS always been a great graphics computer, but thanks to the high cost (\$2,000 and up) of Mac-compatible NTSC output boards, it hasn't made serious inroads into low-end desktop video.

But this could change. Apple has introduced two new Macintoshes, a Centris and a Quadra, with integral NTSC video outputs and an NTSC input for video capture through *QuickTime*. Both use a new type of S-video connector with three extra pins to provide power to desktop video cameras.

HOW MUCH BETTER ARE THE new lithium-ion batteries in Sony's CCD-200 and -300 camcorders? A lot, according to a technical paper from Sony. The 10 scientists who authored the paper say a lithium-ion battery is about half the size and weight of a comparable nickel-cadmium battery, but delivers triple the average voltage with no memory effect.

Meanwhile, a company called Enstore Energy is working to enhance the performance of rechargeable batteries by improving chargers. The company's Enchip circuitry reads the electrochemical level of the battery, and optimizes the charger's output for the battery condition. The company claims Enchip charges a typical nickel-cadmium battery in as little as 15 minutes, increases battery capacity by up to 110 percent, extends battery life and eliminates memory effect.

THE MAKERS OF VCR PLUS+® BRING YOU ANOTHER PLUS.

Introducing the VCR Plus+® Instant Programmer™ with the new CallSet™ feature—a breakthrough technology that instantly performs the initial set-up of your VCR Plus+ unit right over the phone.

But that's not all. The CallSet unit still gives you all of the great features that have made VCR Plus+ the number one choice for VCR programming.

To tape a show, just punch in the PlusCode™ number from your TV listings. You can store up to 14 programs at a time.



VCR Plus+ will change the channels on your cable box. Now you can tape different shows on different channels without being home.

VCR Plus+ makes taping fast and easy. That's why the world's major VCR makers have adopted the VCR Plus+ taping system.

So to set up and tape in an instant, get the new VCR Plus+ with CallSet. Another plus from the makers of the VCR Plus+ Instant Programmer.



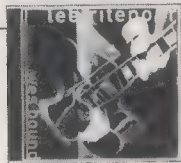
Available at fine retailers nationwide. For information call 1-800-432-8271.

©1993 Gemstar Development Corp. VCR Plus®, PlusCode™, Instant Programmer™, and CallSet™ are trademarks of Gemstar Development Corporation.

Columbia House. The face of jazz.



Jazz guitar great Lee Ritenour salutes another jazz great, Wes Montgomery. Lee reconvened the core of the acclaimed Fourplay group to make *Wes Bound*. This tribute uses captivating string and horn arrangements, even a touch of reggae to pay homage to the enduring jazz legacy of Wes.



Lee Ritenour—*Wes Bound* (GRP) 456*756

The Thelonious Monk Quartet—*Discovery At The Five Spot* (Blue Note) 459*909

Lyle Mays—*Fictionary* (Geffen) 459*891

Joshua Redman—*(Warner Bros.)* 458*778

Michael Franks—*Dragonfly Summer* (Reprise) 457*028

The advantages of jazz at Columbia House.

By choosing any 8 CDs for only a penny (plus shipping and handling), you become a member of the Columbia House Jazz Club. Once you're enrolled, you agree to buy just 6 more CDs at regular Club prices (currently \$12.98 to \$16.98, plus shipping/handling) within the next three years. You may cancel your membership at any time after doing so.

Free Music Magazine: As a member we'll keep you current with the best jazz by sending you the Columbia House Jazz Magazine about every four weeks (up to 13 times a year). Inside, you'll find descriptions of Regular Selections plus hundreds of alternatives to choose from. We'll also send you 6 Special Mailings. In a year, you'll enjoy a total of 19 convenient opportunities to select your favorite music.

Buy Only What You Want: If you choose the Regular or Special Selection, it will automatically be sent. Or, if you prefer an alternate selection—or none at all—simply mail the Response Card always provided by the date specified. You'll always have 10 days to decide. If not, you may return the Selection at our expense.

Bonus Offer: Join right now and get an additional CD at the super-low price of only \$6.95. That allows you to take another CD for FREE. That's 10 CDs in all. And if you're not satisfied, just return everything within 10 days—with no further obligation.

New "Buy More—Pay Less" Bonus Plan: Remain a member after fulfilling your obligation and take advantage of our money-saving Bonus Plan. It lets you get a single CD for as little as \$3.99 (or a single cassette free) for each CD you buy at regular Club price. For selection, convenience and price, Columbia House is the best place for jazz. So get in the groove. Sign up now.

COLUMBIA HOUSE Entertaining America... One Person at a Time.SM

This is the place where the biggest names in jazz come together.

From the soaring classics of John Coltrane to the virtuoso stylings of Chick Corea, only Columbia House has the expertise and heritage to bring you face to face with today's greatest artists.

Look to Columbia House—where the jazz is.

8 CDs for 1¢

PLUS A CHANCE TO GET ONE MORE FREE!

see details

Legendary Jazz

Charlie Parker—*The Genius Of Charlie Parker* (Savoy Jazz) 456*160

The Best Of Count Basie (Roulette Jazz) 435*990

Dinah Washington—*Compact Jazz* (Mercury) 429*613

Nat King Cole—*Jumpin' At Capitol* (Rhino) 421*982

The Divine Sarah Vaughan—*The Columbia Years 1949-53* (Columbia) 374*280/394*288



Dizzy Gillespie—*The Champ* (Savoy Jazz) 456*210

John Coltrane—*Giant Step* (Atlantic) 371*591

Billie Holiday—*From The Original Decca Masters* (MCA) 354*985

Duke Ellington—*Ellington At Newport* (CL Jazz Masterpieces) 354*662

Dave Brubeck Quartet—*Time Out* (Columbia Jazz Masterpieces) 353*060

Miles Davis—*Kind Of Blue* (Columbia Jazz Masterpieces) 353*045



Ella Fitzgerald—*The Cole Porter Songbook, Vol. 1* (Polydor) 426*692

Richard Elliot—*Soul Embrace* (Manhattan) 454*140

Kirk Whalum—*Cache* (Columbia) 453*928

Special EFX—*Collection* (GRP) 453*506

Harry Connick, Jr.—*25* (Columbia) 451*443

Jimmy Scott—*All The Way* (Sire) 450*734

Charlie Haden Quartet West—*Haunted Heart* (Verve) 450*726

Dr. John—*Goin' Back To New Orleans* (Warner Bros.) 450*718

David Benoit—*Letter To Evan* (GRP) 450*288

Lincoln Center Jazz Orchestra—*Portraits By Ellington* (Columbia) 449*181

George Duke—*Snapshot* (Warner Bros.) 448*670

The Brecker Brothers—*Return Of The Brecker Brothers* (GRP) 448*191

Betty Carter—*It's Not About The Melody* (Verve) 447*904

Kenny G Live (Arista) 401*505

George Benson—*The Collection* (Warner Bros.) 312*892



Kenny G—*Breathless* (Arista) 448*142



You're invited to a new interpretation of the jazz classics in *Invitation*, Joe Sample's latest work. He combined the talents of Cecil McBee, Victor Lewis, and a complete 40-piece orchestra with his piano virtuosity. Their subtlety and power help Sample give new life to immortal masterpieces.



John Scofield—*What We Do* (Blue Note) 454*942

Lou Rawls—*Portrait Of The Blues* (Manhattan) 454*934

Abbey Lincoln—*Devil's Got Your Tongue* (Verve) 454*900

Pat Metheny—*Secret Story* (Geffen) 444*422

Joe Williams—*Ballad And Blues Master* (Verve) 442*970

Gerry Mulligan—*Re-Birth Of The Cool* (GRP) 442*921

Najee—*Just An Illusion* (EMI) 442*251

Spyro Gyra—*Three Wishes* (GRP) 440*990

GRP All-Star Big Band (GRP) 440*503

Wynton Marsalis Septet—*Blue Interlude* (Columbia) 439*463

Bob James & Earl Klugh—*Cool* (Warner Bros.) 439*232

Miles Davis—*Doo-Bop* (Warner Bros.) 439*224

Shirley Horn—*Here's To Life* (Verve) 439*190

David Sanborn—*Upfront* (Elektra) 438*994

Joe Sample—*Invitation* (Warner Bros.) 456*905

Earl Klugh Trio—*Volume Two: Sounds And Visions* (Warner Bros.) 454*488

Yellowjackets—*Like A River* (GRP) 454*165

George Howard—*Do I Ever Cross Your Mind* (GRP) 438*564

John McLaughlin—*Que Alegria* (Verve) 438*473

Diane Schuur—*In Tribute* (GRP) 436*097

Compact Jazz (Verve) 434*456

Bobby McFerrin & Chick Corea—*Play* (Blue Note) 434*381

Fourplay (James, Ritenour, East & Mason) (Warner Bros.) 428*334

John Lucien—*Listen Love* (Mercury) 426*122

The Manhattan Transfer—*The Offbeat Of Avenues* (Columbia) 420*208

COLUMBIA HOUSE, 1400 N. Fruitridge Ave. P.O. Box 1129, Terre Haute, Indiana 47811-1129 584/F93

Please accept my membership application under the terms outlined in this advertisement. Send me the 8 Compact Discs listed here and bill me 1¢ plus shipping and handling for all eight. I agree to buy six more selections at regular Club prices in the coming three years—and may cancel my membership at any time after doing so.

1. *	3. *	5. *	7. *
2. *	4. *	6. *	8. *

Send my ☒ JAZZ CDs to the following address:

☐ Mr. ☐ Mrs. ☐ Miss Print First Name Initial Last Name Age _____

Address _____ Apt. _____

City _____

State _____ Zip _____

☐ **Extra Bonus Offer:** also send me one more CD now, for which I will be billed only \$6.95.

9. *

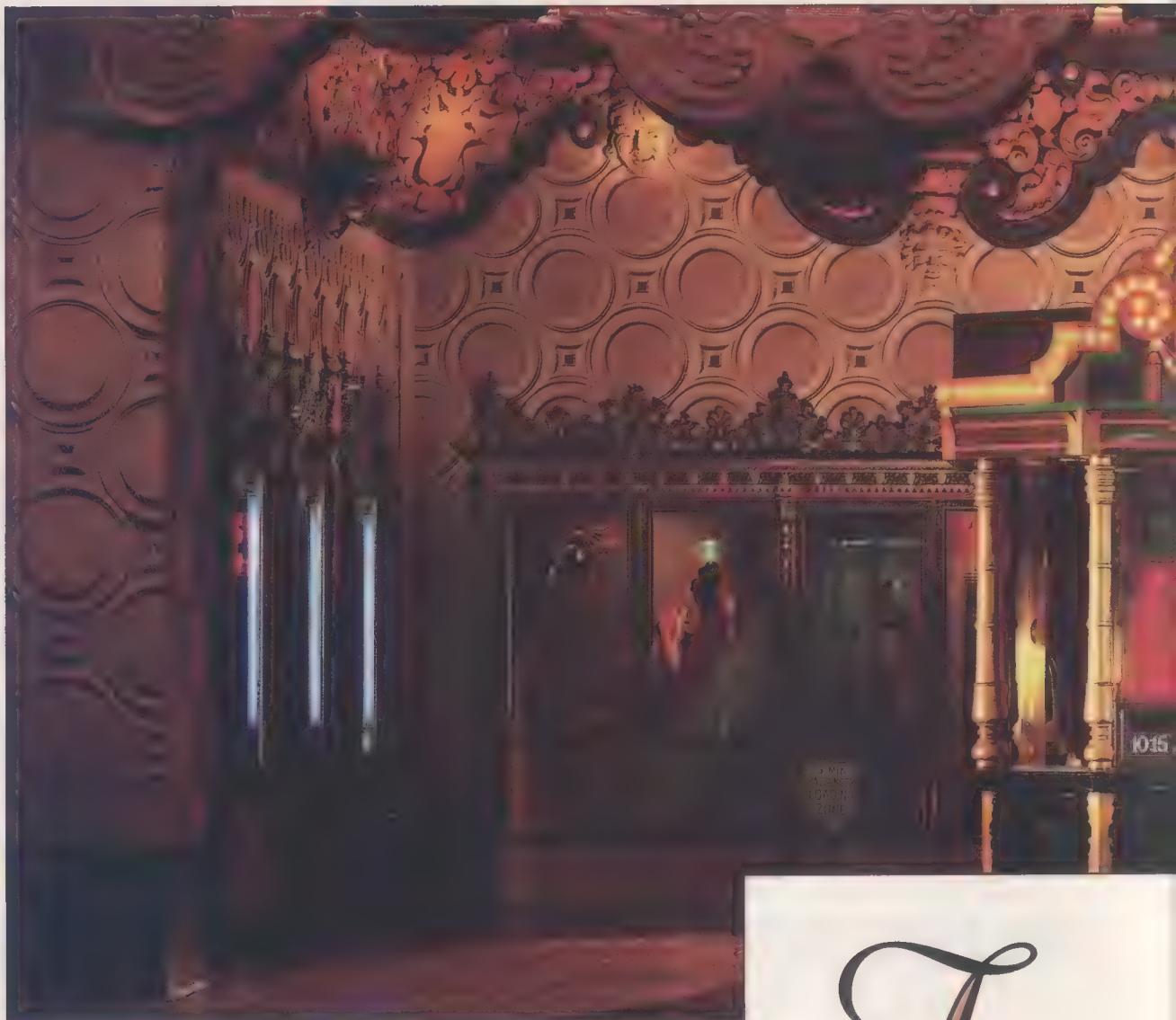
...and I'm entitled to this extra CD FREE!

10. *

OCP-F8-59

Do you have a VCR? (04) ☐ Yes ☐ No A telephone? (01) ☐ Yes ☐ No Have you ever bought anything by mail in the past? (27) ☐ Yes ☐ No How have you paid for your mail order purchase? Check below all that apply: ☐ Cash (28) ☐ Check (30) ☐ Credit Card (29) ☐ Money Order (31)

Note: we reserve the right to reject any application or cancel any membership. These offers not available in APO, FPO, Alaska, Hawaii, Puerto Rico; write for details of alternative offer. Canadian residents serviced from Toronto. Applicable sales tax added to all orders.



Imagine, for a moment, what it would be like to have your own private movie palace. No crowds. No \$15.00 boxes of popcorn. No beehive hairdos blocking your view. Just you, screening films in their original glory for your family and friends. Well, that's precisely what it's like to own a JBL Home Theater System.

Now unlike those trying to pass off glorified stereos as home theater systems by claiming "it's just like being there," JBL has, in fact, been there. Since the very first "talkie" in 1929,

For

A photograph of a grand, ornate theater interior. The walls are covered in intricate, circular, gold-colored patterns. The ceiling is also ornate, with a large, dark, draped canopy. In the center, there is a stage area with a large, ornate, gold-colored frame. The lighting is warm and dramatic, highlighting the architectural details.

Sale.

we've been putting sound into the world's finest theaters.

And now we've transferred our experience and real-theater technology into a full line of components and systems for your home. Equipment that delivers the kind

of experience you once could get only by waiting in line and paying \$7.50 a ticket.

So unless your favorite theater happens to be on the market, visit a JBL dealer.

Once you've listened to our systems, it won't be long until you're sold on them.



THEATER SOUND
FOR YOUR HOME.

Super television and the age of wireless



▲ SEVERING THE CORD

Acclaim Entertainment's Dual Turbo wireless remote control pads are made for both Super NES and Sega game systems. With two AAA battery-powered controllers and a receiver that connects to the control deck, the Dual Turbo (\$59.95) offers variable-speed play and continuous firing. (For additional information, circle 100 on the Reader Service Card.)



▼ ALL DECKED OUT

The HS-U59 VHS VCR from Mitsubishi (\$699) is a hi-fi deck with VCR Plus programming and cable box control. Also included is an improved onscreen operating system, Viewpoint II, and quasi S-VHS play, which plays S-VHS tapes at VHS quality. The line includes a second VHS hi-fi deck with VCR Plus and cable box control, the HS-U58 (\$599). (For additional information, circle 104 on the Reader Service Card.)

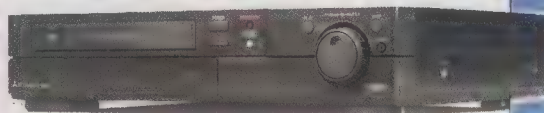
▼ SAFE SHOOTING

Ewa Marine's E-176 camera housing is made for Sony TR-series camcorders, including the TR101 and TR200. It's waterproof down to 30 feet and also protects camcorders from sand, spray and rain. The price is \$369. (For additional information, circle 103 on the Reader Service Card.)



▲ TOSHIBA'S TOP PROJECTION

Toshiba has redesigned its projection TVs, and the line's star attraction is the 48-inch Cinema Series TP48C90 (\$3,299). Its features include four-channel digital signal processing, Dolby surround sound and two-tuner picture-in-picture. The bottom of the cabinet has storage space for a laserdisc player and a VCR. (For additional information, circle 101 on the Reader Service Card.)



► WIDESCREEN OPTIONS GROW

JVC's entry into the 16:9 market is a 55-inch projection set, the NV-55BX4 (\$4,495). It offers four display modes: regular, which is a 4:3 display; panorama, which stretches the left and right edges of a picture to fill the screen; cinema, which zooms in on letterboxed movies to fill the width of the screen; and full mode, which "un-squeezes" 16:9 video shot on JVC's GR-SZ1 S-VHS-C camcorder. Additional features include Dolby Pro-Logic sound and nine DSP modes. (For additional information, circle 102 on the Reader Service Card.)



FEATURE-PACKED/PERFORMANCE ORIENTED

JVC VCRs and Camcorders Bring Out Your Best

Random Assemble

Editing lets you create interesting videos even if you're a beginner. Network TV shows are broadcast only after hours of complicated editing. But JVC's new VCRs and camcorders let you produce your own attention-



holding videos *easily* with Random Assemble Editing.



Simply view your original video recording — and, with "one touch ease", select the scenes you want (in any order) for your final tape. Random Assemble Edit will then automatically copy those scenes to a connected VCR. You'll be amazed at the professional results you can achieve.



Fievel is a registered trademark of Universal City Studios & Amblin.

Family Message

Center lets you display messages on your TV screen where they won't get lost or ignored like handwritten memos. When there's a message for you, a button on the VCR blinks to let you know — just like a message lamp in a hotel room. Nine pre-programmed phrases make it even easier to get your message across.



Auto Timer turns the timer on the moment you turn the VCR off. And JVC's Auto Timer lets you choose automatic or manual timer activation via On-Screen Menu selection.

And like all JVC VCRs, the HR-J400 offers the quality you'd expect from the company that invented VHS.

HR-J400U

VHS



JVC is an Official Sponsor of Universal Studios Hollywood and Universal Studios Florida

Program AE

offers "finger-tip" control over a variety of shooting situations. Six pre-programmed modes allow you the flexibility to capture the true essence of your subject — at any given moment — without complicated adjustments.



PHILIPPE QUADA

Design-Integrated Video Light lets you record even when there's no ambient light!

And like all JVC camcorders, the GR-AX55 is Compact VHS. So it uses cassettes you can play on any VHS VCR (via the supplied VHS Playpak).

GR-AX55U

VHS

For a complete demonstration of JVC's feature-packed, performance oriented VCRs and camcorders, visit the authorized JVC dealer nearest you.



JVC

THE INVENTOR OF VHS

VHS: The World's Most Popular Video Format

NEW PRODUCTS

▼ POWER BLOCK

NAD's 208THX is a powerful 250-watt-per-channel stereo amplifier that is certified for THX home theater systems. The amp can be bridged to produce 500 watts in mono. In mono, the dynamic power exceeds 1,500 watts. Features include balanced and unbalanced inputs, and several types of speaker protection circuitry. The 208THX carries a price of \$1,429. (For additional information, circle 106 on the Reader Service Card.)

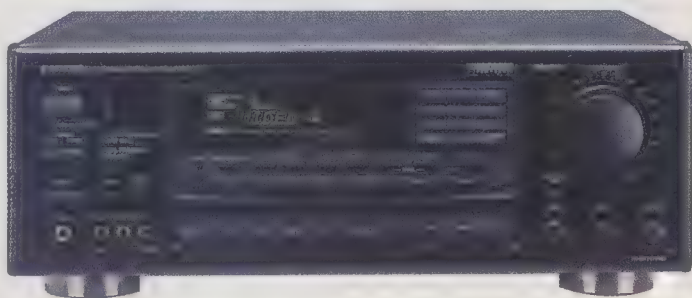


▲ TURN ON, TUNE IN

Recoton's W 500 wireless stereo headphones (\$149.99) use the 900-megahertz RF frequency set aside in 1989 for wireless in-home products. Signals transmit up to 150 feet through walls and doors. The headphones are powered by nickel cadmium batteries that recharge when not in use. (For additional information, circle 111 on the Reader Service Card.)

▼ SYSTEM CENTRAL

Onkyo's TX-SV717PRO five-channel A/V receiver (\$950) delivers 110 watts to front channels or 85 watts to front and center channels into 8 ohms, along with 30 watts to surround speakers. When the surround speakers aren't in use, the surround amp can be used to send a signal from a second source to another room. Digital signal processing is used for both music and Dolby Pro-Logic surround. Six audio and four audio/video inputs are available. (For additional information, circle 107 on the Reader Service Card.)



▼ FOXY REMOTE

The Fox 4 Record remote control records up to four events on an unattended VCR after you enter the time, date and channel. The remote must be left in the line of sight of your VCR and cable box. It replaces up to four remotes, using the three-digit codes listed in the manual. It is priced at \$50. Fox maintains a toll-free number for questions, 800-229-7892. (For additional info, circle 109 on the Reader Service Card.)



AudioSource

LLC3

3 in 1
Utility
Disc

CLEANER



▲ TESTING 1, 2, 3

AudioSource touts its LLC-3 utility disc as the first true three-in-one audio system test disc (\$29.95). A test section features channel identification and localization for Dolby surround sound along with a polarity check, sweep tones and a dynamic impact/transient response check. Five carefully chosen music tracks make demands that reveal the strengths and weaknesses of a system. A final section cleans the laser lens. (For additional information, circle 108 on the Reader Service Card.)

The RCA 35" Home Theatre. So real, it's scary.



Looking at a roller coaster on the RCA Home Theatre is like riding it without getting strained vocal cords, your hair messed up, or a strange feeling in the pit of your stomach. The picture's so lifelike (up to 55 watts of picture power) and the sound's so intense you'll feel like part of the show. Experience the Home Theatre™ at an RCA dealer. We promise, there's nothing to be afraid of. **Changing Entertainment. Again.™ RCA**

How to use time code to tighten your video editing

Time code is hardly what you'd call a glamorous feature—it's invisible while you're shooting, and of little use to most camcorder users, who usually shoot video, then fast-forward through the bad parts. But if you want to shoot now and edit later—the way professionals do it—time code is a godsend. Until recently, it was tough for consumers to use time code, but it has found its way into many relatively inexpensive video products.

There are several forms of time code, but all have the same purpose. They identify each frame of a video with its own number, in hours, minutes, seconds and frames. If you've ever been in a professional video facility, you've probably seen a time code window—the eight-digit counter inside a black window in a corner of a video frame.

Time code is crucial for precise editing. It lets you create an edit decision list (EDL) of dozens or even hundreds of specific points on a tape, and then automatically copy and rearrange them, with accuracy of plus or minus one or two frames. Without time code, editing accuracy is typically plus or minus 10 to 30 or more frames, because the edit controller has to find frames using counter numbers, which are inaccurate.

Time code also facilitates making "workprint" copies of the tapes you edit. Instead of chewing up your precious originals during the decision-making process, you make editing choices using these workprints. When you go back to the originals, the editing system automatically locates the exact same points.

To use time code effectively, you need an editing system capable of reading it. Today, there are numerous low-cost, time-code-equipped consumer edit controllers, including FutureVideo's EC-1000 Pro, Sony's RM-E700 and Videonics' Thumbs Up.

SMPTE is the most widely used time code system. The acronym stands for the Society of Motion Picture and Television Engineers. There are two different forms of SMPTE time code—vertical-interval time code (VITC, often pronounced "vit-see") and longitudinal time code (LTC, or "lit-see").

Theoretically, both SMPTE time code systems can be used with practically any videocassette format—from professional Betacam and D-2 VCRs

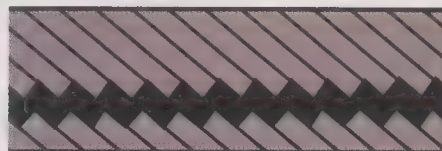
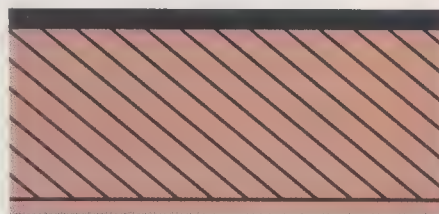
costing tens of thousands of dollars, to humble VHS and 8mm equipment costing less than \$1,000. But in practice, recording either form of SMPTE time code with a consumer camcorder can be a challenge. The capability is not built-in—you must purchase a portable SMPTE time code generator. For LTC, you can use Horita's TG-50 or FutureVideo's TCG-2000. For VITC, you can use Videonics' Thumbs Up edit controller.

VITC is the more advanced form of SMPTE. It is recorded in the vertical interval, the unseen scan lines at the top of each video frame. VITC cannot be added afterward without going down a generation, thereby degrading picture quality. All professional video camera/recorder systems incorporate VITC generators, but in the U.S., there isn't a single consumer camcorder with this capability, or even with a socket to plug in an optional VITC generator.

LTC is more practical for use with U.S. camcorders. It is recorded on an audio track. The best candidates for LTC are S-VHS and S-VHS-C camcorders with hi-fi stereo sound. You can record time code on one channel (right) while simultaneously recording regular audio on the other (left). However, LTC doesn't work as well with 8mm and Hi8 stereo audio tracks, because of crosstalk between the left and right channels. It will work, but you'll hear leakage of a high-pitched tone on the channel used for normal audio. Fortunately, the 8mm format offers

a better solution—RC time code.

Unlike SMPTE, RC is not embedded in an existing video or audio track. Rather, RC gets its own special space—a short portion of each helical (diagonal) track is set aside for this purpose. RC time code can be added after the fact. If you upgrade to a camcorder with RC time code, you can go back and add time code to previously recorded 8mm and



3 Types

of Time Code:

Each area shown in black contains a different type of time code. At the top is a VHS tape with longitudinal time code on the linear audio track. In the center is an 8mm tape with RC time code. At the bottom is vertical interval time code, which is recorded in the black bar you see when a TV picture rolls.

Hi8 videocassettes.

Unfortunately, there's only one camcorder on the market that has RC time code—Sony's new \$3,700 CCD-VX3. Sony's less-expensive CCD-V801 had it, but the model was discontinued. It's also available on Sony's Hi8 V-deck VCR.

Whether manufacturers will extend time code capability to upcoming camcorders is anybody's guess. We hope that as consumers become more sophisticated, inexpensive time code-equipped products will become common. ■

The RCA 52" Projection Screen.

Bigger and brighter than almost anything out there.



Anything brighter requires sun block. Anything bigger has a marquee. Almost anything else pales in comparison to the RCA 52" Home Theatre. Its thunderous sound will rattle your china. Its huge screen is so clear and bright you can see the spin on a curveball. Experience the Home Theatre™ today by simply stopping by your RCA dealer. Sunglasses are optional. **Changing Entertainment. Again.™ RCA**

Is your screen too small? SMPTE standards say, 'Yes!'

Recently, much of the video world's attention has focused on widescreen video. Near-cinematic-ratio televisions from Thomson, Panasonic, JVC, Philips and Pioneer are available, albeit at prices that would almost buy an economy car. The question is: Do you really need a widescreen set, or can you muddle along with a conventional big-screen and letterboxed software? And if so, just how big a screen is visually correct? A new standard from SMPTE—the Society of Motion Picture and Television Engineers—may reveal some answers.

Home theater fans tend to think reflexively that bigger is automatically better. Within limits, they're right—a bigger image has more impact because it fills more of your vision. However, we all know that the bigger the image, the more objectionable such NTSC artifacts as scan lines, dot crawl and color bleeding become (unless you have a line doubler).

Nevertheless, compared with the apparent image size you see at the movie theater, most TV viewing is done from a transcontinental distance. Much of a commercial cinema's visual impact comes from the fact that movie screens are wide—really, *really* wide. Even the smallest multiplex movie house probably boasts a screen that fills nearly twice as much field of vision—the angle described by two imaginary lines stretching from your nose to the left and right edges of the screen—as your home theater's video monitor.

Just how wide a field is ideal for the transmission of moving pictures—watching movies, that is—may be open to debate, but we all know intuitively that the 4:3 NTSC TV screen ain't it. In fact, for film-projection movie theaters, this very question has been addressed by SMPTE.

SMPTE Engineering Standard 18-1989 says that for the most distant viewer, the screen "should subtend not less than...approximately 30 degrees of his horizontal field of vision." In other words, 15 degrees to either side of his or her nose. And this is for the most distant audience members. Midway to the screen, you typically will see a field of view of about 35 degrees horizontally. SMPTE standards dictate only a 15-degree field of view for NTSC, and for television, that's

fine. For home theater, it's not.

A little trigonometry reveals that for a bright, huge, expensive new 32-inch monitor, you should thus sit—gulp!—with your nose no more than about four feet from the surface of the screen. Looked at another way, a typical non-videophile owner of a 25-inch TV sitting 12 feet away enjoys a horizontal field of view of barely eight degrees, about a fourth as much subjective screen as the average moviegoer. Conversely, if you sit 12 feet away from your TV, you'll need an eight-foot diagonal projection set to experience the magic 30 degrees. (Readers who paid attention in the 11th grade may have already worked out the formula for this—twice the arctangent of: half the screen width divided by the viewing distance.)

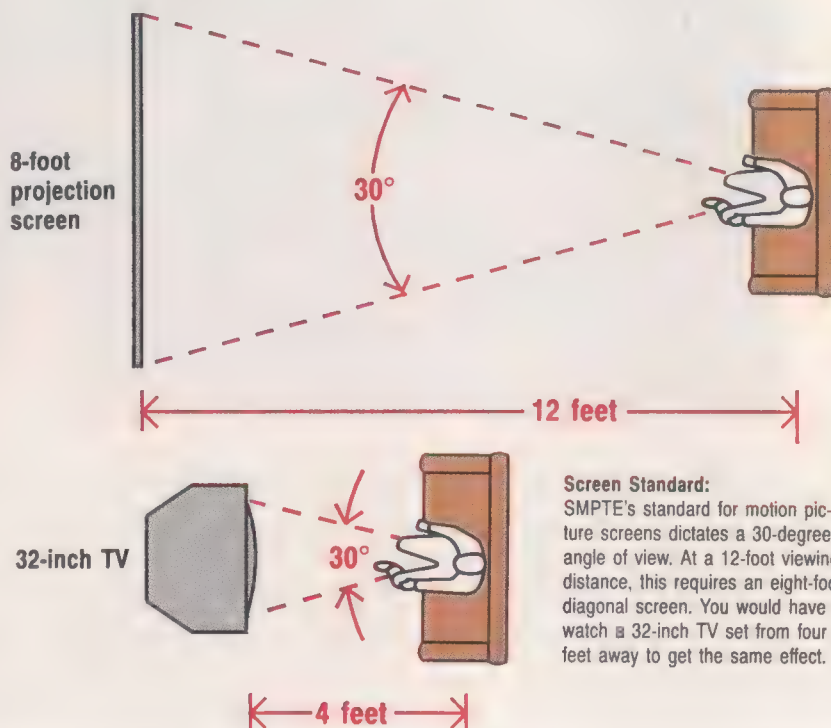
Four feet away is too close for the great majority of viewers, and a 96-inch set is apt to be out of reach (either financially or practically) for a similar majority. When faced with this sort of dilemma, there's only one thing to do: compromise.

Much as we might otherwise wish, a

home theater is not a movie theater, and even the best laserdisc/TV system is not 35mm film. If we choose a 20-degree subtending viewing angle as our goal, the viewing distances become a bit more reasonable—six feet for a 32-inch set, eight-and-a-half for a 45-inch rear projector, and a reasonably sane 14 feet or so for a six-foot projector.

Returning for a moment to the wide-screen question, it seems that in the long run, a wide-aspect-ratio TV is indeed a good idea. A 16:9 TV is a third wider than a conventional set with the same image height, and thus permits seating distances nearly 25 percent farther for the same viewing angle. All of the wide sets announced so far let you fill the screen with letterboxed programs, eliminating the empty top and bottom mattes and delivering the biggest possible image in both dimensions.

So the next time you go TV shopping and the salesperson asks how big a set you're looking for, whip out your home theater floor plan, unholster your slide rule—er, scientific calculator—and deliver an informed, rational answer. ■



A CAMCORDER SO REVOLUTIONARY IT HAS NO VIEWFINDER.

Wayne Gretzky '99



SHARP
VIEWCAMTM

SHARP VIEWCAM

AN ABSOLUTE ORIGINAL™

YOU'LL NEVER SQUINT THROUGH A VIEWFINDER AGAIN

There's never been a camcorder like the revolutionary Sharp Viewcam.™

Now, for the first time, you can look at the world

SEE WHAT YOU'RE SHOOTING FROM ANY ANGLE

Only the Sharp Viewcam lets you rotate the lens up to 270°. So it's easy to shoot from any position, any angle.

Hold it over your head to



with a big color LCD view screen instead of through a tiny black and white viewfinder. So it's easier than ever to see what you're shooting — even with glasses.

What's more, this incredible view screen gives you freedom to be part of the fun. With Sharp Viewcam held away from your face, you can enjoy and react to the excitement around you.

Put your subjects at ease as you talk and laugh with them while you're recording.

The Sharp Viewcam gives you a whole new dimension in entertainment.

shoot above the crowd at parades or sporting events. Place it down low to capture baby's first steps. And never lose sight of what you're shooting.

The Sharp Viewcam is so lightweight and easy to hold, you will want to take it everywhere. It even has Neuro Auto Exposure which adjusts to difficult lighting conditions just like the human eye.

That, plus full range autofocus with macro and 8x power zoom means you get picture-perfect images.

SEE YOURSELF IN THE FUN

Rotate the view screen 180°. You can get yourself into the picture and still see exactly what you're shooting, right on the view screen. What a great way to check your golf swing or tennis serve. And best of all, you won't have to find someone else to take a video of you with your family or friends.

ONLY THE SHARP VIEWCAM HAS INSTANT PLAYBACK WITH COLOR AND SOUND

Now everyone can see and hear the playback together, right on the view screen. No matter where you are, you'll enjoy what you've recorded in full color, fine detail and rich sound. And you'll always be sure you got the important shots. What's more, the Sharp Viewcam is the only camcorder that lets you watch pre-recorded 8mm tapes and movies anywhere — even outdoors or in your car. No special hook-up or wires are needed. And it's a great way to keep kids entertained on long drives.

INSTANT PLAYBACK WITH COLOR AND SOUND.



**THE SHARP VIEWCAM.
THE FIRST CAMCORDER TO REPLACE
THE VIEWFINDER WITH A BIG
COLOR LCD VIEW SCREEN.**

TY GRETZKY



VL-HL100U

"Shoot high. Shoot low. It's never been easier."



MORE OUTSTANDING FEATURES

No other camcorder gives you so much. You get remote control, one-touch standby recording and playback, even an on-screen menu. And, our top-of-the-line Hi8 model offers an awesome array of additional capabilities. Like Digital Image Stabilization (DIS) for a steady picture, even if you aren't.

And a snapshot function for recording still pictures. It even has special effects that let you create exciting strobe action.

Plus, it records in full stereo sound.



REMOTE CONTROL RECORDING

Gives you complete control of Start/Stop, Zoom and Pause functions so you can get into the scene you're recording. Makes playback more convenient since you can control Volume and VCR functions, too.



ONE-TOUCH STANDBY RECORDING

After you playback a scene, you can automatically fast forward to where you stopped recording just by pressing the Index Search button.

ONE-TOUCH STANDBY PLAYBACK

With the Index Search, Rewind and Fast Forward buttons you can watch a scene from the first frame or go back and forth between segments.

NEURO AUTO EXPOSURE

Adjusts like the human eye to difficult lighting conditions so your subject is always sharp and clear.

ON-SCREEN MENU

The easy-to-read on-screen LCD menu gives you options for recording and playback functions.

You can also adjust color, tint, brightness and volume.

DIGITAL IMAGE STABILIZATION (DIS)*

One touch of the DIS button ensures that camera shake and jitter are reduced to a minimum.

SNAPSHOT CAPABILITY*

Record a series of 5-second long still pictures on tape with audio to

	VL-HL100U	VL-E30
Tape Format	Hi-8mm	8mm
Zoom Ratio	8x	8x
Hi-Fi Stereo	●	
Color LCD View Screen***	4"	3"
Digital Image Stabilization (DIS)	●	
5 Second Snapshot Recording	●	
Still and Strobe Digital Recording Effects	●	
Infrared Remote Control	●	●
Full Auto System	●	●
On-Screen LCD Menu	●	●
Neuro AE (Auto Exposure)	●	●
Width (inches)	7 ²⁵ / ₃₂	7 ⁷ / ₈
Height (inches)	5 ¹³ / ₁₆	4 ⁷ / ₈
Depth (inches)	3 ¹ / ₁₆	2 ³ / ₁₆
Weight (lbs., without tape, battery or remote)	1.9	1.9

*Only on VL-HL100U Model

**Marine Pack and Sports Pack Fall 1993. Marine Pack requires Wide Conversion Lens.

***Screen size measured diagonally.

create the ultimate video photo album.

STILL AND STROBE*

Put a still picture on tape for as long as you like, or create exciting strobe action at 6 pictures per second to add a professional touch to your videos.

STANDARD ACCESSORIES

AC Power Adaptor/	Hand Strap
Battery Charger	AV Cable
Remote Control Unit	DC Cable
Battery Pack	S Cable
Shoulder Strap	Cleaning Cloth

OPTIONAL ACCESSORIES**



Marine Pack* for underwater recording down to 164 feet



Sports Pack* for protection in all types of weather



Auto Pan Head – automatically faces and records where sound is coming from so no operator is needed

Weather Resistant Housing
Tripod Adaptor for 180° Recording
Car Battery Adaptor/
Battery Charger
Soft Case
Sun Hood
Wide Conversion Lens

For the authorized Sharp Retailer nearest you, call

1-800-BE-SHARP

Or in Canada, call 1-800-263-5136

SHARP
FROM SHARP MINDS
COME SHARP PRODUCTS™

Choosing playback machines to minimize jitter

Q In your June column, you said that RCA's CC360 camcorder uses a small video drum. You goofed. I have a CC360, and it has the same size video drum used in VCRs. Does this change your answer about picture distortion in some second-generation copies?

Art Donaldson
Denver, Colorado

A The RCA CC360 does have a standard-diameter 62mm video head cylinder, not the 41.3mm "two-thirds" diameter cylinder used in many other VHS and VHS-C models. I stand corrected and apologize to my readers (and to RCA) for this oversight, as well as for getting the dimensions of the smaller drum wrong. It's 41.3mm in diameter, not 44mm.

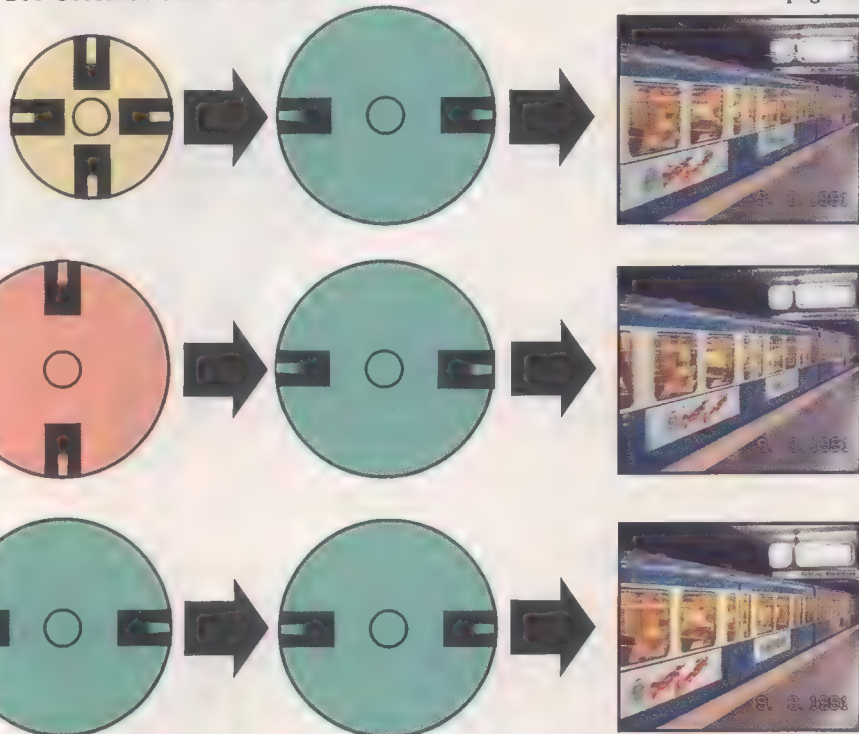
However, even assuming that reader Bob Osborne's camcorder and VCR use

the same size drum mechanism, I stand by my answer, which is that there is always some timebase error between different VCRs and camcorders, although the problem is more pronounced when the recorder and player use different size video head cylinders and tape wrap methods.

While Osborne's format was S-VHS, the same phenomenon can be observed with 8mm, which also uses two sizes of drum mechanisms in different products. The jitter and instability aren't noticed as much because in most cases the 8mm camcorder that records the tape is used to play it back, canceling out the waviness often seen in vertical lines.

The problem is not unknown to manufacturers, who are showing an eagerness to return to a standard drum size for VCRs and camcorders. Sony, for ex-

continued on page 88



Curing the Jitters: Tapes recorded with a small head drum and played using a large drum (top) often exhibit excessive jitter and timebase error. Using the same size head drum for playback (center) helps, but it's best to play tapes on the same machine used to record them (bottom).

Video Magazine welcomes your questions. Please include a phone number, but not a return envelope as the volume of mail does not permit replies. All letters may be edited for clarity and space. Address queries to Q & A, Video Magazine, 460 West 34 Street, New York, NY 10001.

5-Year
Parts & Labor
Warranty



FREE Audio Catalog

At Cambridge SoundWorks we manufacture speakers and music systems designed by Henry Kloss (founder of AR, KLH, & Advent), and we sell them from our factory in Newton, Mass. We also sell selected audio components from brands like Philips, Pioneer, Denon and Sony. Because we sell factory-direct, you can save hundreds of dollars on components and systems. We sell nothing but "the good stuff." Our knowledgeable audio experts will help you make the right choices, without being pushy. And you can call toll-free for advice or "hook-up help" 365 days a year—even holidays. This is the simplest way to get the right deal on stereo components...and there's virtually no risk.

- Call toll-free for factory-direct savings.
- Audio experts will answer all your questions, before, and after you buy.
- 30-day money-back satisfaction guarantee.

"Ensemble II, like its companions in the Cambridge SoundWorks lineup, performs so far beyond its price and size class that it can be compared only with much larger speakers at substantially higher prices."

— Stereo Review.

1-800-FOR-HIFI*

24 hours a day, 365 days a year (800-367-4434)

**CAMBRIDGE
SOUNDWORKS**

154 California St., Suite 130, Newton, MA 02158

*In Canada call 1-800-525-4434. Fax: 617-332-9229

Outside U.S. or Canada 617-332-5936

© 1991 Cambridge SoundWorks. Ensemble is a registered trademark of Cambridge SoundWorks. AR & Advent are trademarks of International Jensen, Inc.

Circle 6 on Reader Service Card.

PHILIPS DCC. THE ULTIMATE CASSETTE SYSTEM.TM BEFORE BUYING ANYTHING ELSE, TAKE THIS SIMPLE TEST.



A Can you take it on the road if the road is a trail?

Try taking any portable disc player for a little off-roading and you'll quickly quickly see see see why it's not such a good idea. But if it's Philips Digital Compact Cassette, it'll play a different tune. Take one for a test ride (or run, skate, hike... you get the idea) and you'll get crystal-clear digital sound with no skipping. After all, why call something portable if it can't go where you want to?

B Does it record in pure digital sound?

Ahh. Now we come to the heart of the matter. For the DCC home deck, the answer is a resounding (and digitally pure) yes. Finally, you can take your favorite music

and turn it into your own digital recordings.

And with DCC you'll get unique benefits like a display that shows you the song title, album title and recording artist. And because

it's digital, there's no hiss or flutter – just plenty of wow.



REC



C Does it impress the experts?

And speaking of wow, take a look at these quotes. According to the press, DCC has it all: record and playback

"...There is no question that it rivals CD sound quality..."

Stereo Review, November 1992



in CD-quality digital sound, a complete system including portable, home and car units and hundreds of prerecorded cassettes, with more coming all the time.

"...We have to admit... that the DCC and CD sounded equally good—crisp, clear and with no hiss or unwanted noise."

San Francisco Chronicle

D Will it play your existing cassettes?

We know a lot of those tapes you made back in college are irreplaceable. And you should be able to listen to them anytime you want to. So we made it easy. All DCC players will play your

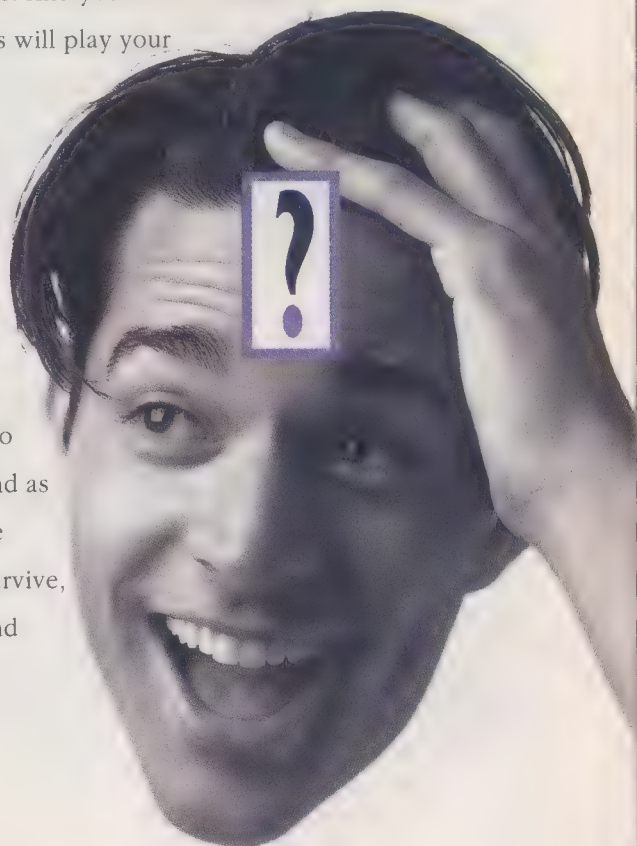
existing cassettes, as well as the new Digital Compact Cassette. Obsolescence is the one feature we didn't plan into the DCC system.



E Is the music industry behind it?

Definitely. You can choose from among hundreds of prerecorded DCC titles. Everything from classical to classic grunge. With more coming all the time. And as a point of interest, DCC looks like no other cassette you've ever seen. It's beautifully sleek, but built to survive,

with all openings covered by a metal slider to keep out dust and dirt. When we call it The Ultimate Cassette, we mean it.



F Is there really any other choice?

None that makes so much sense on so many different levels. From digital recordability, to non-skip digital



THE WAY IT WILL BE.

portability, to endorsements from every segment of the music industry. So. Time's up. Test's over. Once you experience

The Ultimate Cassette System," you'll understand exactly what we mean when we say DCC is the way it will be.

For the dealer nearest you, call **1-800-982-3737**.

Another First From Philips.



PHILIPS

Personal eyewear for video on the go

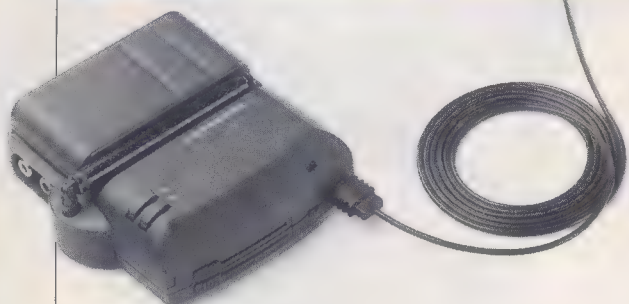
"What are these?"

My friend Laura was curiously examining what looked like a pair of wrap-around sunglasses.

"It's a way to watch video called Virtual Vision," I told her.

"Is it virtual reality?" she asked.

"Not exactly. It's more like virtual TV," I replied. "Want to try it?"



"Sure!"

"Are you right-eye dominant or left-eye dominant?" I asked.

"Huh?"

I told her to make the okay sign with her fingers and hold her hand in front of her, as prescribed in the Virtual Vision instruction manual. Everyone favors one eye, and a Virtual Vision user needs a unit set for either the left or the right eye. Laura focused through the okay sign on a doorknob across the room. "Close your left eye," I instructed. "Now, open your left eye and close your right eye."

Laura could see the knob with her right eye open, meaning she was right-eye dominant. Fortunately, I had a right-eyed Virtual Vision Sport. (Later, I tried a left-eyed Sport for myself.) I put the goggles on Laura's head and plugged a thin audio/video wire into the goggles from the small Virtual Vision beltpack. I plugged my laserdisc player, loaded with

Raiders of the Lost Ark, into the one-pound beltpack, which doubles as a TV tuner and an interface module for video sources. Next, I showed Laura how to adjust the tiny mirror on the lower right-hand rim of the goggles until a video image jumped into focus.

"Well?" I asked. "It's blurry and far away," she replied.

The Virtual Vision Sport by Virtual Vision of Redmond, Washington, is



Eye Spy:

The Virtual Vision Sport uses a headset, worn like sunglasses (right and above), and a battery-powered TV tuner/interface module (left) to display images that seem to float before a viewer's eyes (top left, simulated).



pending on which side you favor. But you must get a unit suited for your eye. The mirror is shaped like a tiny TV monitor. The first Sport units use one with slightly rounded edges. Later Sports, like the one we tried, will have a mirror with crisper, cleaner corners. The headset uses a proprietary plug to hook into the tuner, which has stereo audio/video line inputs. The nose rest on the headset adjusts for varying schnoz sizes and to compensate for prescription glasses.

The Sport fulfills its innovative mission. It's the most interesting and personal video product yet, like a visual Walkman. But this is a not-quite-ready-for-prime-time product. The picture improved as my eyes grew accustomed to the glasses. It looked sharpest in the dark or in low light against a dark background. But in normal room light or sunlight, when the Sport is most likely to be used, the light compromised my ability to watch TV

(which I could do using the beltpack tuner) while doing something else, despite using the darker eyeshades and adjusting the brightness control.

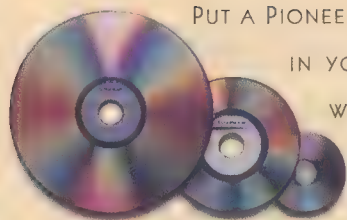
The Sport can also be used as a remote viewfinder when it's hooked up to a camcorder, which is easily achieved. An auxiliary LCD TV is a simpler alternative that will also free you, like the Sport, from the need to keep your eye glued to the camcorder.

There's a product here somewhere, but the picture quality needs to be improved. Later models will work with computers and be adapted for professionals, like surgeons, who need to watch a video screen while working on something else. For now, for consumers, the Sport is more fascinating for what it attempts than what it achieves. ■

designed to fill the lower portion of your field of vision with a picture approximating that of a large TV. It permits you to watch the picture and still see where you're going and what you're doing. It's a little like wearing bifocals, except the lower lens is replaced by a video screen. Stereo ear buds let you listen as well as watch.

The Sport comes with a headset that contains a tiny LCD video projector and the stereo ear buds, light and dark sunshades, the mirror, the beltpack, a power coupler/battery charger, a camcorder battery, an AC charger, a nylon belt and carrying case, and a very clear instruction manual. It costs \$895.

The concave mirror on which the LCD image is projected fits on either the bottom right or left of the eyeshade, de-



PUT A PIONEER® LASERKARAOKE® PLAYER
IN YOUR LIVING ROOM, AND
WATCH YOUR GUESTS FLOCK
TO IT LIKE MAGNETS TO
A REFRIGERATOR. NOW

YOU, YOUR FRIENDS AND EVEN THE NERVOUS GUY
WHO CRASHED THE PARTY CAN SING LEAD VOCALS ON
ANY ONE OF OVER 1500 SONGS, FROM MOTOWN
TO ROCK TO COUNTRY. LASERKARAOKE BACKS YOU
UP WITH INSTRUMENTALS, MUSIC VIDEOS, EVEN ON-
SCREEN LYRICS, FOR THE NIGHT'S LESS-THAN-COHERENT
MOMENTS. AND FOR MORE MODEST AFFAIRS, OR EVEN
A PARTY OF ONE, LASERKARAOKE STILL DELIVERS —

AT LONG LAST, THROW A PARTY WHERE EVERYBODY DOESN'T END UP IN THE KITCHEN.

THE NEW PIONEER CINEMA WIDE PROJECTION TV.
FIND OUT MORE. YOU'LL LIKE WHAT YOU HEAR,



IT PLAYS OVER 7000 LASERDISC MOVIES AND ALL
YOUR FAVORITE MUSIC CDS. WITH PIONEER TECHNO-

LOGY, YOU KNOW YOU'LL
ALWAYS GET A LASER-
SHARP PICTURE AND THE
SUPERIORITY OF DIGITAL
SOUND. PLUS, THE SYS-
TEM HOOKS UP TO ANY
TELEVISION, INCLUDING

WHAT YOU SEE AND MAYBE EVEN WHAT YOU SOUND
LIKE. CALL 1-800-PIONEER, EXT. 250, TO FIND THE
DEALER CLOSEST
TO YOU. PIONEER
LASERKARAOKE.
CLEARLY, IT'S THE
BEST THING TO HAPPEN
TO PARTIES SINCE THE
COCKTAIL WEENIE.



LaserKaraoke®
PIONEER®
The Art of Entertainment

BUY A PIONEER LASERKARAOKE PLAYER AND GET A FREE KARAOKE LASERDISC WITH OVER 50 SONGS. A \$225 VALUE.

*OFFER VALID ONLY IN THE U.S., FROM 9/1/93 THROUGH 12/31/93. SEE DEALER FOR DETAILS. ©1993 PIONEER ELECTRONICS (USA) INC., LONG BEACH, CA

Circle 8 on Reader Service Card.

VIDEOTESTS



JVC's HR-S6900U picks up this year's hot VCR feature—VCR Plus with cable box control—and adds an editing feature formerly found only on JVC camcorders. The deck uses JVC's R.A. Edit, an integral, eight-scene edit controller, in conjunction with a tiny universal remote that controls a second VCR for auto-

mated editing. The HR-S6900U serves as the player, the other deck as the recorder.

The deck includes AV Compu Link, which integrates the operation of JVC components. For example, pushing a cassette with no record tab into the deck automatically turns on a JVC TV and A/V receiver, and selects the proper inputs on each device. The Compu Link connection is simple—a single mini-jack on the rear panel.

As we expect from JVC VCRs, the HR-S6900U produces a terrific picture, thanks largely to two improvements. One is a new integrated circuit to han-

dle the color signal. The other is a new preamp that improves both luminance (brightness) and chroma (color) signal-to-noise ratios.

On the audio side, an intelligent noise-reduction circuit helps eliminate

HIGHLIGHTS

The JVC HR-S6900U is the only VCR we know of with three

remotes. One controls a cable box for VCR Plus programming, a second controls another VCR for automated editing, and a third performs the usual control tasks. With advanced circuitry, like a new integrated circuit for color and a new preamp to improve luminance and chrominance signal-to-noise ratios, it offers excellent picture quality. Audio is also excellent and ease of use is very good. Overall, we rate this \$1,000 deck as excellent to very good.



JVC HR-S6900U S-VHS VCR

Price: \$1,000

Weight & Size (h/w/d): 14.6 lbs., 4-3/8 x 18-1/8 x 15-1/4 inches

Tape Speeds: SP, LP (play only), EP

Video Heads: 4

Cue & Review Search: locking or non-locking; 7x SP, 21x EP

Multispeed Shuttle Play: bidirectional with two slow speeds and four search speeds

Fast Forward/Rewind Time: 1 min. 50 sec.

for 120-min. tape

Jacks: front—S-video/video/stereo audio input, mic input, remote pause in; rear—S-video/video/stereo audio input and output, RF (antenna/cable) input and output, R.A. Edit, AV Compu Link/Swap

Remote Pause: Master Edit CTL, R.A. Edit

Remote Control: IR wireless with jog/shuttle dial with on/off button and indicator; switches for A/B controller mode and TV/video (VCR) control, and buttons for power, TV/video, display, skip/blank search, cancel/counter reset/

skip, 10-digit keypad, timer on/off, SP/EP, index search forward and reverse, enter/OSD, counter memory/add/start, select/in/out, menu, volume up/down, channel up/down, rewind/search, play, fast forward/search, record, stop and pause/still

Program Start Locator/Index/Cue: index with auto mark and bidirectional search of up to 9 marks; blank tape

Audio: linear mono, hi-fi AFM stereo

Channel Selectors: programmable scan on VCR, scan plus direct access on remote

Cable Tuning Range: 113 channels

Timer: 8-event/1-year

Special Features: still

frame, frame advance, slow motion, insert edit, flying erase head, audio dub, video dub, auto head cleaner, R.A. Edit.



Infrared Inventiveness:

The HR-S6900U comes with three infrared remotes. One remote (lower left corner, opposite page) controls a cable box for VCR Plus programming. Another remote (above the first) controls a second VCR for automated editing. Both plug into the R.A. Edit/cable box jack pictured below. The conventional remote is shown in the "Highlights" box (opposite page).



switching noise, an artifact of the VHS hi-fi system caused by switching from one hi-fi audio head to the other 600 times per second. JVC's Hyper-Bass circuitry delivers a contoured boost of frequencies below 1,000 Hertz to produce more theaterlike sound.

Among the more conventional features...
continued on page 46

VCR Plus with cable box control, jog/shuttle dials

Absent Features: headphone jack, manual index mark/erase

RESULTS

Horizontal Resolution: S-VHS—400 lines, VHS—240 lines

S/N Ratios (dB): unweighted luminance—49.3 SP, 47.7 EP; weighted luminance—52.7 SP, 51.7 EP; unweighted video—46.3 SP, 45.8 EP; weighted video—51.6 SP, 51.4 EP; chroma AM—48.3 SP, 45.3 EP; chroma PM—44.8 SP, 41.6 EP

Audio Frequency Response: hi-fi—20 Hz-20 kHz, +0.3/-0.7 dB; linear (-3 dB)—100 Hz-10 kHz SP, 70 Hz-4 kHz EP

Hi-Fi Dynamic Range: 88.9 dB

Linear Audio S/N: 46.3 dB

Audio Distortion: hi-fi—0.3%, linear—1.1%

RATINGS

Picture: excellent

Audio: excellent

Ease of Use: very good

Overall: excellent/very good

VIDEOTEST
698

CANON 8mm camcorder

Canon's E520 follows the trend of camcorders that have snap-on or integral lights, but it is the first with a pop-up light. The four-watt light hides behind the microphone until a user turns the light on. It's strong enough to produce good pictures of nearby subjects even if there is no ambient light. Since the E520 carries its own light, Canon is taking the liberty of advertising it as a "zero-lux" camcorder, but the product literature reveals a more realistic 2-lux sensitivity.

The E520 is a compact camcorder significantly larger and heavier than subcompacts like Canon's UCL and Sony's CCD-TR61. Some of the extra size comes from Canon's Flexigrip, which combines a grip, a sports viewfinder and a battery cavity, and rotates 180 degrees so that a user can shoot comfortably with the camcorder raised overhead or held at waist level.

We think the Flexigrip is a terrific feature, well worth the extra bulk it creates. The camcorder has a bulky but (to us at least) very comfortable feel and it's extremely easy to hold steady. It is this

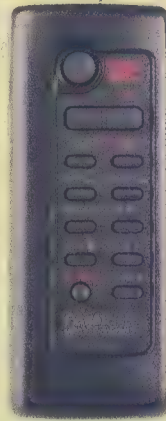
Surprise Inside:

The E520 is the first camcorder with a pop-up video light.

HIGHLIGHTS

The Canon E520 offers a feature we've long dreamed of—a

pop-up video light. This lets you shoot acceptable video in any situation. Otherwise, it's a standard Canon 8mm, with a rotating Flexigrip for comfortable high- and low-angle shooting, and programmed auto exposure modes. Picture quality is good, audio is average to fair and ease of use is very good. Overall performance is good. The price is \$1,199.



type of convenience for which Canon is best known—a result of more than 50 years experience making consumer film cameras.

Although the trend has been toward through-the-lens, contrast-type autofocus, the E520 uses an infrared system. The result is faster, more accurate focus. IR systems also perform much better in low light than TTL systems, but IR systems are not good at shooting shiny objects or very non-reflective subjects, or through glass. In these cases, you must use manual focus.

Most camera functions are entirely automated, including white balance and iris control. However, programmed auto exposure provides special modes for backlight compensation, spotlight com-
continued on page 50



VIDEOTESTS



Karaoke King: Although it's designed primarily for home theater use, the MDP-600 offers karaoke features like a microphone jack and electronic echo.

VIDEOTEST
699

SONY
*combi
player*

Digital circuitry, a trio of enhancements consisting of a digital timebase corrector, a three-line digital comb filter and a digital dropout compensator.

Sony's MDP-600 is a midpriced combination laserdisc/CD player with a wide range of features. It replaces the MDP-605, which scored well in our combi player shootout ("Laser War Games," Feb. '92). The MDP-600 adds Sony's Tri-

It also offers a karaoke function that lets you sing along with the music on special karaoke laserdiscs. There's a quarter-inch microphone jack on the front, with concentric level and echo controls. If your voice isn't up to pro standards, you can use the echo control to add a little extra fullness. An auto pause mode stops the player after each track. You'll want to use this for karaoke parties.

The MDP-600 plays all types of CDs and laserdiscs, and automatically changes sides when the first side of a laserdisc finishes playing. On the remote, Sony's dual-mode shuttle control has a shuttle ring that delivers two scan speeds, with buttons for play and pause in the center. This is convenient for

Sony MDP-600 Combi Player



Price: \$799

Weight & Size (h/w/d):
20.9 lbs., 4-3/4 x 17 x
16-5/8 inches

Disc Formats: 3- and
5-inch CD, CD-Video,
8- and 12-inch LD

Cue & Review Search:
10x or 30x

**Maximum Fast
Forward/Reverse
Time:** direct access—8
secs., scan—150 secs.

Remote Control: IR
wireless with shuttle
ring surrounding play
and pause and sepa-
rate buttons for open/
close, power, clear,
frame/time, program,
repeat, display, 1/side/
all, A/V time, shuffle
play, repeat A-B, 10-
digit keypad, +10,

search/next, back, an-
alog/digital audio, audio
monitor stereo/L/R, CX,
auto program, picture
enhance, auto pause,
intro search, memory
play, stop, multispeed
forward and reverse,
speed set - and +, still/
step reverse and for-
ward, ACS/AMS
chapter/track forward
and reverse, disc side
A and disc side B; plus
volume up and down,
channel up and down,
TV/video and power for
Sony TVs with "R" mark

**Program Start
Locator/Index/Cue:**
chapter/track marks,
programmed play of up
to 20 chapter tracks

Repeat: side, chapter/
track, program, point A-B

Digital Audio: stereo/
dual mono with dual
D/A converters

AFM Audio:
stereo/dual mono

Inputs:
mic, Control S

Outputs: 2 S-video, 2
video/stereo audio, vid-
eo/DC/mono for RF
adapter, Toslink optical
digital audio, head-
phones

Special Features:
karaoke (mic input and
level controls with
echo), TriDigital video
signal processing (digi-
tal TBC, digital dropout
compensator, 3-line dig-
ital comb filter), noise
reduction, picture en-
hancement, intro
search, auto program,

HIGHLIGHTS

Karaoke swept Ja-
pan years ago, and
it's slowly picking
up steam here.

Sony's MDP-600 combi player reflects this trend. Although designed primarily for home theater use, it has two important karaoke features: a microphone input with echo and an auto pause mode that stops the player after each track. It incorporates Sony's TriDigital video processing—a digital timebase corrector, a digital dropout compensator and a three-line digital comb filter—for a better picture. It has automatic side-changing, but no digital effects. Picture quality is very good (with special praise for the distortion-free scan), digital audio is excellent and ease of use is very good to excellent. Our overall rating of this \$799 player is very good.

auto side-changing

Absent Features:
digital effects for CLVs,
jog/shuttle dial

RESULTS

Horizontal Resolution:
425 lines

**Signal-to-Noise Ratios
(dB):** unweighted lumi-
nance—45.1, weighted
luminance—51.8, un-
weighted video—46.4,
weighted video—51.5,
chroma AM—44.8,
chroma PM—39.8

**Audio Frequency
Response:** digital—10
Hz-20 kHz, +0.5/-0.1
dB; analog—20 Hz-20

kHz, +2.6/-2.8 dB

Audio S/N: digital—
more than 103 dB (our
measurement limit), an-
alog—73.1 dB

Dynamic Range:
digital—99 dB

Audio Distortion:
digital—less than
0.02% (our limit), an-
alog—0.09%

RATINGS

Picture: very good

Audio:
excellent (digital)

Ease of Use:
very good/excellent

Overall: very good

*When your music
is also important...*



... the Nakamichi AV-1 is your premier choice.

When your music is also important, consider the AV-1 or its more modestly-priced companion receiver, the AV-2.

With either you can enjoy the convenience of a fully-integrated A/V system and the excitement of multi-channel Dolby® surround-sound entertainment with performance that upholds the Nakamichi standard of excellence.

Even without their many sophisticated surround-sound and video-related features, the AV-1 and AV-2 would still be outstanding stereo receivers in the Nakamichi tradition. They deliver impeccable sound quality and truly reflect Nakamichi's meticulous attention to detail.

Among these receivers many advanced features are a digital Dolby® Pro-Logic Surround decoder, five channels of amplification, three surround modes for soundfield-enhancement, a programmable System Remote (AV-1 only), and a multitude of A/V inputs and outputs for virtually limitless system configuration and expansion possibilities.

The Nakamichi Audio/Video receivers, designed and built for uncompromising music lovers who also enjoy video.



Nakamichi America Corporation
19701 South Vermont Avenue, Torrance, California 90502 Phone: (310) 538-8150
Nakamichi Canada
276 South West Marine Drive, Vancouver, B.C. V5X 2R4 Phone: (604) 324-7535

Dolby and Pro-Logic are trademarks of Dolby Laboratories Licensing Corporation.

Circle 9 on Reader Service Card

one-handed control, but ■ jog/shuttle dial is more convenient for finding a particular frame.

The player doesn't produce perfectly clean search and stills from CLV discs, because it has no digital effects. However, it does have Sony's clear scan feature, which differs from the clear scan found on Pioneer players. The Pioneer players alternate stills and black frames; the MDP-600 alternates motion video and very brief black frames. This type of search is noisier, but we find it more pleasing.

The digital audio section borrows technology from Sony's better CD players. It has dual digital-to-analog converters (one per channel), which can, depending on other aspects of the D/A converter, result in excellent sound.

The disc drive is centered in the chassis to lessen mechanical vibration and noise in the picture and sound. The cover for the disc tray is centered in the panel. It incorporates the main display. Unlike those on most laserdisc players, the cover slides down rather than outward when the tray slides out.

The front panel holds a fairly conventional set of controls. The rear has two S-video/video/stereo audio outputs, plus video/mono audio/DC outputs for use with an optional RF converter. This arrangement reduces RF interference in the video and audio signals. Because most combi player owners use baseband signals instead of RF to connect their equipment, it shouldn't cause many problems.

The rear panel also has three other features. A Toslink optical digital audio output lets you use external D/A converters and receivers with digital inputs.

A Control S input relays infrared remote commands from other Sony equipment, allowing you to hide the MDP-600 in a cabinet without affecting the remote control's function. An audio attenuator switch lets you trim the output level by about six decibels, for better matching with preamps or receivers that require unusually low input levels.

The remote control is a bit crowded, but Sony's intelligent layout makes it easy to use. At bottom is the swing shuttle. Further up are buttons to control slow motion, speed play and frame advance for CAV discs. There is also a 10-digit keypad, and buttons to control the MDP-600's various program modes, which are like those on a CD player. There are also power, volume and channel buttons for controlling a Sony TV.

Setting up the player is really easy. The manual has good diagrams and excellent explanations, but cross-referencing is not as good as in other Sony manuals. The legends on the remote are more legible than those on earlier Sony models, but backlighting (as found on many new Pioneer remotes) would help.

Using the karaoke function is quite easy. Just plug in an optional microphone and adjust the mic mix level and the echo level. For karaoke discs with vocals, you can switch between the recorded voice and the mic voice with the audio monitor or the analog/digital buttons, depending on the type of disc. Home theater buffs may never use the karaoke features, but should try them at least once. We've found karaoke can keep a party jumping for hours. You'll be amazed how quickly people lose their performing inhibitions once one brave soul gives it a try. We rate operational

ease very good to excellent.

The picture of the MDP-600 is quite impressive. On all the luminance and video measurements, the MDP-600 performs within ■ few tenths of a decibel of Sony's MDP-455 ("Videotests," Apr. '93). On chroma AM (color intensity) signal-to-noise ratio, it is more than 1 dB better; on chroma PM S/N (color shade), it is a few decibels worse. We rate picture quality very good by today's standards, but just a few years ago Sony's MDP-600 would have earned an excellent rating.

Audio quality measures excellent for digital material, very good to excellent for analog. In double-blind subjective listening comparisons with the MDP-600, a Pioneer CLD-97, ■ Pioneer CLD-3090, a PS Audio Digital Link II D/A converter and Theta DS Pro Prime D/A converter (both converters driven via Toslink from the MDP-600), we were very impressed with the musical sound that the Sony player exhibited.

It doesn't have quite the sonic detail of expensive products like the Theta and the CLD-97, but it sounded less edgy on much of the material we tried. It even emerged as the all-around favorite of our pickiest listener. We're pleasantly surprised that Sony seems to have put so much effort into making the MDP-600 sound better than average.

We rate the MDP-600 very good overall. It offers ■ solid picture, sound that's a cut above the competition, and a convenient control layout. And don't forget, it has karaoke, too! We can't predict what this player will sell for on the street, but we suspect you might pay a slight premium. You'll still get a very good deal, though. ■

VIDEOTAPES FROM OVERSEAS?

Play or re-record them in the American System with superior sharpness, detail and real time motion accuracy™

Exclusive high resolution model available 400+ lines



Super VHS HI-FI VCR
Super Pal and NTSC

Instant Replay, the firm that originated the multi-standard video recorder, offers you a digital converter VCR that lets you view PAL or SECAM tapes on any American TV or monitor. *It's the only Super VHS playback unit that gives you broadcast quality resolution from foreign video tapes.* These units easily integrate into your home theatre or conference room and come with a cable ready tuner, timer and full function remote. Also available in an international model that allows you to record off the air virtually anywhere in the world.

*We service and advise before and after the sale. For Information call or write : **INSTANT REPLAY***

8290 N.W. 27TH STREET, SUITE 605, MIAMI, FL 33122 • 1-800-749-8779 (305) 854-8777 FAX

CALL MON.-FRI. 9 AM TO 6 PM EASTERN TIME • DEALER INQUIRIES WELCOME

©1993

Circle 10 on Reader Service Card.

We've turned a visual medium,



into an audio extra large.

You've never heard anything like this.

dynamic range (both exceed 90 decibels). As a re-

With Sensurround™ Home Theater you won't just

sult, you'll feel violent explosions as well as violin



*be surrounded by sound, you'll be
enveloped, involved, and like never*

*solos. On that note, Sensurround
speakers are well-suited to music.*



before, entertained. Cerwin-

Vega originally designed

Sensurround (with MCA®) to

bring deep bass into movie

houses. Now we can bring it



Sensurround Home Theater Speaker Systems

{Winner Of The 1992 Design And Engineering Award}

*into your house. Our 5-piece speak-
er system for direct-view televisions*

*Not to mention, a tub of Orville
Redenbacher's® and a ticket booth.*

(pictured here) and 7-piece system for projection

TVs give you extremely high sensitivity and wide

Cerwin-Vega Sensurround. It makes big screen tele-

vision, positively huge.

 Cerwin-Vega!

© 1993 Cerwin-Vega, Inc. For our free color catalog, please write to us at Cerwin-Vega, 555 East Easy Street, Simi Valley, California 93065, or call 805-554-9332.

Circle 11 on Reader Service Card



SONY

DOLBY PRO-LOGIC

MASTER VOLUME

SONY

INSTANT SURROUND SOUND. JUST ADD TV.

Unleash the power of your television with the Sony SA-VA3 Home Entertainment Speaker system. It's a completely self-contained, self-amplified four speaker Dolby Pro Logic® Surround system that creates breathtaking theater-like sound. And it easily connects to most TV's or Hi-Fi VCR's in under 10 minutes.

For a detailed brochure, call 1-800-847-SONY.

For your complete personal guide to all Sony consumer electronics, we're introducing Sony Style magazine. To receive your copy for \$4.99 plus \$1.50 shipping and handling, call the number above. Visa and MC. Offer expires 4/94. ©1993 Sony Electronics Inc. All rights reserved. Sony and Sony Style are trademarks of Sony. Dolby and Pro Logic are trademarks of Dolby Laboratories Licensing Corp.

VIDEOTESTS



Small Wonder: The 8mm XD3500 includes a tuner, a timer and remote control, so even though it's only nine inches wide, it works like a VHS hi-fi VCR.

VIDEOTEST 700 SAMSUNG 8mm VCR

eras and portable VCRs. Sony announced its first camcorder and VCR at about the same time, and has carried at least two 8mm decks ever since. So the club Samsung joins with the new

Samsung is a relative newcomer to the 8mm format, but 8mm VCRs are by no means new. The first 8mm offerings appeared in our April and August "Videotests" back in 1985. The units, by Canon and Sanyo, consisted of separate cam-

XD3500 has a distinguished history.

Samsung has introduced the XD3500 because of the popularity of 8mm camcorders. If you own an 8mm camcorder, an 8mm VCR is a good buy. It's much easier to play your videos in a VCR than to hook up a camcorder to the TV for playback. And it saves wear and tear on the camcorder's transport. You may even want to use the XD3500 for timeshifting, because its tapes are small and easily stored.

The deck has all the features common to VHS hi-fi VCRs, including a 181-channel tuner, an eight-event/one-year timer, visible search and still frame. It also has a flying erase head, which is found on all 8mm equipment, and some less common features, like a three-head

HIGHLIGHTS

If you own an 8mm camcorder, an 8mm VCR makes sense—it

makes playback more convenient and saves wear and tear on your camcorder's transport mechanism. Samsung's XD3500 is a full-featured 8mm deck with SP and LP recording, and an eight-event/one-year programmable timer. The deck is designed primarily for playback. It has a flying erase head but lacks important editing features like LANC remote control and a microphone jack. Three video heads produce cleaner special effects than most 8mm camcorders can. The picture is good to average, audio is fair to average and ease of use is good, so overall performance is average to good. At \$700, it's slightly costlier than competitors, but its multibrand remote makes it attractive.



Samsung XD3500 8mm VCR

Price: \$700

Weight & Size (h/w/d): 4.4 lbs., 2-5/8 x 8-7/8 x 8-5/8 inches

Jacks: RF in and out, video/stereo audio in and out

Tape Speeds: SP, LP

Video Heads: 3

Cue & Review Search: (locking/non-locking) 9x forward, 7x reverse

Fast Forward/Rewind Time: 4-1/4 min. for 120-min. tape

Remote Control: IR wireless with buttons for TV control, VCR

control, power, eject, volume up and down (TV only), 10-digit keypad, channel up and down, record, stop, pause/still, rewind/search, play, fast forward/search, program, clear, display, 100, TV/VCR, auto program, add, delete, previous channel, mute (TV only), OTR, tape speed, frame advance, slow, up and down slow tracking/V. lock, input, edit and output

Audio: hi-fi AFM stereo

Tuning Method: frequency synthesis

Channel Selectors: programmable scan on VCR, scan plus direct

access on remote

Preset Method: auto program plus add and erase

Cable Tuning Range: 5A, 2 to 13, A to I, J to W, W+1 to W+58, A-5 to A-1, W+59 to W+84

Timer: 8-event/1-year

Clock/Timer Battery Backup: 40 secs.

Special Features: LP record/play, still frame, frame advance, 1/9x slow motion, speed play, insert edit, auto on/play/rewind/power off, OSD, flying erase head, counter memory

Absent Features: LANC remote jack, headphone jack, counter on VCR only when

visible on screen, audio dub, video dub, VCR Plus, indexing, PCM digital audio

RESULTS

Horizontal Resolution: 250 lines

S/N Ratios (dB): unweighted video—42.4 SP and LP; weighted video—49.3 SP, 49.4 LP; chroma AM—42.1 SP, 38.2 LP; chroma PM—39.3 SP, 38.2 LP

Audio Frequency Response: SP—50 Hz-12 kHz, +0.1/-3 dB, -8.1 dB at 20 Hz, -7.8

dB at 20 kHz; LP—50 Hz-4.5 kHz, +0/-3 dB, -8.2 dB at 20 Hz, -10.5 dB at 20 kHz

Hi-Fi Dynamic Range: SP—61.3 dB, LP—64.9 dB

Stereo Separation: 54.3 dB

Audio Distortion: 0.3%

RATINGS

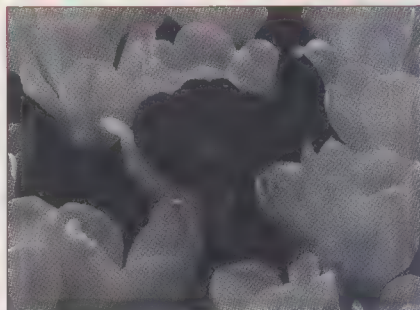
Picture: good/average

Audio: fair/average

Ease of Use: good

Overall: average/good

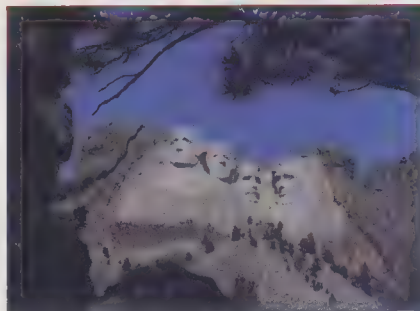
THE CHOICE IS COLOR



THE CHOICE IS CLEAR



THE CHOICE IS QUASAR



Quasar introduces the revolutionary QuarterBack[®] camcorder, with three outstanding features in one. Stop by your nearest Quasar dealer and See The Difference.



Quasar[®]
Quasar Company

Model VM539/538
Pictures are simulated.

A Division of Matsushita Electric Corporation of America, 1707 North Randall Rd. Elgin, Illinois 60123-7847

Circle 12 on Reader Service Card.

NO.1 BATTERY SPECIALISTS

We're #1 for all your battery needs!

BATTERIES...

SONY 1600mah.....27.97
SONY NP-80 orig.....69.97
CANON 2000mah.....39.97
RCA/HITACHI/MIN.....27.97
PAN BP80/88.....39.97



There is no battery we do not have, or cannot get! From No-Memory batteries, to extended play...call the Specialists!
all fully guaranteed!!

...AND MORE!

Arkon TC600 TurboCamcharger..69.97
Cellular Telephone Accessories.....call
Decharge/tester for 6V BATT.....29.97
AC adaptors, chargers, RF cables..call

1-800-ASK-BTRY
1-800-275-2879

IN NYC OR OUTSIDE THE US (212) 768-7595

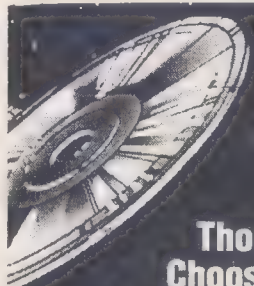
#1 BATTERY SPECIALISTS

74 W. 38th ST. 2nd Floor

New York, NY 10018 FAX (212) 768-9530

Returns within 30 days in new condition. Shipping, insurance, return shipping are not refundable. Above brand names are copyrighted. Prices subject to change.

Circle 13 on Reader Service Card.



Thousands To
Choose From At
**LASERDISC
ENTERPRISES**

1-800-347-1941

- Friendly Service
- Same Day Shipping
- Up To 15% Off

2436 COBB PARKWAY
SMYRNA, GA 30080
404-955-8909 PHONE
404-984-2173 FAX

Visa/MasterCard/Discover/C.O.D.
10:00-9:00 EST MON-SAT

Circle 14 on Reader Service Card.

video playback system for cleaner special effects than most 8mm camcorders provide, plus frame advance and slow motion. Like most 8mm VCRs, but not 8mm camcorders, it includes an LP speed that records four hours of video on a P6-120 tape.

The XD3500 is a stereo machine with output switching for stereo or each channel separately (as required for bilingual recordings). Input switching allows for tuner or line recording, but not simulcast.

With a footprint of less than nine inches square, the deck looks more like an audio minicomponent than a VCR. The front panel is sparsely populated, with no hidden compartments. It has controls for transport functions and power. The rear panel is exactly like that of a typical VHS hi-fi deck, just smaller.

The remote is the primary means of control. It offers all the features you'd expect from a conventional VCR and controls most brands of TV sets.

The XD3500 works just like a basic VHS hi-fi deck, except it has no linear audio capability. Playback is straightforward. The search is the locking type if you give the fast-forward or rewind button a quick punch, but non-locking if you hold down the button for more than a second. Recording from the 181-channel tuner is simple, thanks to onscreen programming. However, it lacks VCR Plus, a feature that is found on RCA's new 8mm VCR.

A few other omissions stand out, especially since this VCR would seem such a natural for editing 8mm tapes. Leading the absentees is a LANC remote control jack, which would allow the deck to interface with the numerous LANC-compatible editing controllers. It has no microphone or headphone jacks, thus limiting your options for audio recording and monitoring. You may also miss speed, input and output selection on the VCR, which is in keeping with the trend toward uncluttered front panels but a real inconvenience unless you're a couch potato who does everything by remote.

Not absent, but operating in a less than desirable fashion is the counter. It reads out in hours, minutes and seconds but does not stay visible unless you select it with the display button. Then it is also superimposed on the picture, so you can't use it as a guide in editing unless you want the counter permanently recorded on the dub. Another drawback of the counter is that the stop at zero feature works only when the counter is showing, so you need to call up the counter display to use the feature.

On the plus side, the VCR has frame advance, slow motion and slow tracking, which are not found on most 8mm cam-

corders and some 8mm VCRs. If you're just planning to use an 8mm deck to play camcorder tapes and timeshift, you won't have any problems.

Picture quality is good compared with 8mm camcorders, but just average compared to 8mm VCRs and TVCRs, which tend to outshine camcorders on playback. Audio quality is fair to average—better than VHS linear track, but a bit lower than the norm for 8mm.

We rate the XD3500 average to good overall. Features vary wildly with 8mm decks, so take the extra effort to check out all of them and see which suit your needs. If you mainly want to play camcorder tapes, the XD3500 will do the job pretty well. ■

TECH TIPS

Poor man's Steadicam

In addition to using my tripod in a stationary position, I find it useful as a stabilizer for my Sony Handycam as I move around. I lift the tripod and partially fold the legs. Holding the tripod at the camera base like a pistol grip, I move around with the tripod hanging down, which creates a weighted pendulum effect. I find that using the tripod this way gives me the freedom of handheld shooting while greatly reducing the inherent camera shake.

Stephen J. King
La Mesa, California

Dust-free tapes

If you're a smoker or if you have a lot of fine dust in your house (kitty litter is a notorious source), the slipcovers on your tapes are not enough to keep the tapes dust-free. You might want to give your most important tapes a little extra protection by sticking each one in a plastic baggie and sealing it before slipping it into the case.

Michelle West
Toronto, Ontario

Tamper-proofing VCRs

Those who use two VCRs in a synchro edit setup can keep others from tampering with the main VCR by leaving the cable plugged into the synchro edit (remote pause) jack on both decks. With most synchro edit systems, the playback VCR will work, but the main VCR will be disabled, and it won't work until the cable is removed.

Phil Marsh
Sunnyvale, California

VIDEO SHOWCASE



BOGEN 3169 CINE/VIDEO TRIPOD

THE IDEAL CAMCORDER COMPANION

Easy to use and easy to handle, the 3169 combines Bogen 3001 Tripod Legs

and a 3130 QR Micro Fluid Head with Quick Release Plate. The Bogen 3001 Tripod is the lightest (about 3 lbs.) and the smallest (folds to 20 1/2 in.), but is one of the most versatile tripods we offer. Sturdy, hard finish aluminum legs feature 3 click stop spread angles and each has a sure grip, quick-acting, non-fouling lever lock. The Bogen 3169 is just one of a wide choice of tripods, fluid heads, dollies and accessories.

See your dealer or write to Bogen Photo Corp., 565 East Crescent Avenue, Ramsey, N.J. 07446-0506; (201) 818-9500

CIRCLE SHOWCASE #1

VideoEdge™ - Video Tape Editing Breakthrough!

Now, for the first time, create professional looking videos as easily as clicking on your Mac™. No more fumbling with tiny buttons on your camcorder or VCR. VideoEdge™ is designed for easy use with a minimum of learning. Connect your player and recorder - then choose and log scenes in software - your Mac automatically assembles a completed movie on a VCR tape in your recorder - or on your hard disk* as a QuickTime™ movie. Its as easy as that!



Includes All The Hardware And Software Needed!

- Video Tape Editing For ... "The Rest Of Us"
- Produces Video Tapes and QuickTime™ Movies
- Controls Popular 8mm & Hi8 Camcorders SONY, Canon, Ricoh, Yashica, and Nikon
- Cuts Up to Six Video Sources (A/B/C/D/E/F)
- Built-In SONY LANC - Control L & Control S and Trainable Infra-Red Controller
- Import and Export In CMX 3400 & 3600 Format
- Easiest to use "Point and Click" Editing
- On Screen Titring, Animation, Special Effects
- Control Unit For Camcorder & VCR Control
- The Price/Performance Leader

The fastest, easiest, most complete and ready to use system on the market. Includes everything you'll need - Control unit for Camcorders and VCRs, software for scene logging, editing, titling, special effects and more - at a great affordable price!

Silicon Valley Bus Co. Call Toll-Free 1.800.775.0555
475 Brown Road San Juan Bautista, CA 95045
Tel: 408.623.2300 Fax: 408.623.4440 AppleLink: SILIBUS

*QuickTime requires an optional digitizing board, like the SuperMac VideoSpigot™

CIRCLE SHOWCASE #2

HEAR YE!



THE SUMMER CONSUMER

VS9309
ELECTRONICS SHOW
HAS OPENED ITS
DOORS TO THE GENERAL
PUBLIC IN CHICAGO ON
AUGUST 6, 1993.
IF YOU WERE THERE -
OR IF NOT, WE
HAVE THE NEXT BEST
THING...

SHOP WITH THE VIDEO SHOWCASE

Get more information on any advertisers featured in Video Showcase or find out where the nearest dealer is for that product. Simply circle the product number along with your desired shopping option and we'll do the rest!

Showcase #1

- A. Send me literature
- B. Send me dealer information

Showcase #2

- A. Send me literature
- B. Send me dealer information

Showcase #3

- A. Send me literature
- B. Send me dealer information

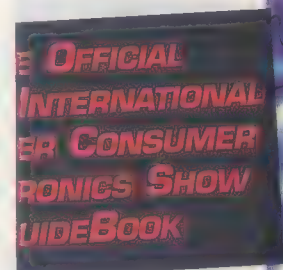
Showcase #4

- A. Send me literature
- B. Send me dealer information

Name

Address

City State Zip Phone



NO.1 BATTERY SPECIALISTS

We're #1 for all your battery needs!

BATTERIES...

SONY 1600mah.....27.97
SONY NP-80 orig.....69.97
CANON 2000mah.....39.97
RCA/HITACHI/MIN.....27.97
PAN BP80/88.....39.97



There is no battery we do not have, or cannot get! From No-Memory batteries, to extended play...call the Specialists!
all fully guaranteed!!

...AND MORE!

Arkon TC600 TurboCamcharger..69.97
Cellular Telephone Accessories.....call
Decharge/tester for 6V BATT.....29.97
AC adaptors, chargers, RF cables..call

1-800-ASK-BTRY
1-800-275-2879

IN NYC OR OUTSIDE THE US (212)768-7595

#1 BATTERY SPECIALISTS

74 W. 38th ST. 2nd Floor

New York, NY 10018 FAX (212) 768-9530

Returns within 30 days in new condition. Shipping, insurance, return shipping are not refundable. Above brand names are copyrighted. Prices subject to change.

Circle 13 on Reader Service Card.



The
Choice
LASER
ENTERTAINMENT

1-800-34

- Friendly Service
- Same Day
- Up To 15%

2436 COBB PARKWAY
SMYRNA, GA 30080
404-955-8909 P
404-984-2173 F

Visa/MasterCard/
10:00-9:00 ES

Circle 14 on Reader Service Card.

video playback system for cleaner special effects than most 8mm camcorders provide, plus frame advance and slow motion. Like most 8mm VCRs, but not 8mm camcorders, it includes an LP speed that records four hours of video on a P6-120 tape.

The XD3500 is a stereo machine with output switching for stereo or each channel separately (as required for bilingual recordings). Input switching allows for tuner or line recording, but not simulcast.

With a footprint of less than nine inches square, the deck looks more like an audio minicomponent than a VCR. The front panel is sparsely populated, with no hidden compartments. It has controls for transport functions and power. The rear panel is exactly like that of a typical VHS hi-fi deck, just smaller.

The remote is the primary means of control. It offers all the features you'd expect from a conventional VCR and controls most brands of TV sets.

The XD3500 works just like a basic VHS hi-fi deck, except it has no linear audio capability. Playback is straightforward. The search is the locking type if you give the fast-forward or rewind button a quick punch, but non-locking if you hold down the button for more than a second. Recording from the 181-channel tuner is simple, thanks to onscreen programming. However, it lacks VCR Plus, a feature that is found on RCA's new 8mm VCR.

A few other omissions stand out, especially since this VCR would seem such a natural for editing 8mm tapes. Leading the absentees is a LANC remote control jack, which would allow

corders and some 8mm VCRs. If you're just planning to use an 8mm deck to play camcorder tapes and timeshift, you won't have any problems.

Picture quality is good compared with 8mm camcorders, but just average compared to 8mm VCRs and TVCRs, which tend to outshine camcorders on playback. Audio quality is fair to average—better than VHS linear track, but a bit lower than the norm for 8mm.

We rate the XD3500 average to good overall. Features vary wildly with 8mm decks, so take the extra effort to check out all of them and see which suit your needs. If you mainly want to play camcorder tapes, the XD3500 will do the job pretty well. ■

TECH TIPS

Poor man's Steadicam

In addition to using my tripod in a stationary position, I find it useful as a stabilizer for my Sony Handycam as I move around. I lift the tripod and partially fold the legs. Holding the tripod at the camera base like a pistol grip, I move around with the tripod hanging down, which creates a weighted pendulum effect. I find that using the tripod this way gives me the freedom of handheld shooting while greatly reducing the inherent camera shake.

Stephen J. King
La Mesa, California

Dust-free tapes



PLACE
STAMP
HERE

VIDEO

460 West 34th Street
New York, NY 10117-0460



VIDEO SHOWCASE



BOGEN 3169 CINE/VIDEO TRIPOD

THE IDEAL CAMCORDER COMPANION

Easy to use and easy to handle, the 3169 combines Bogen 3001 Tripod Legs

and a 3130 QR Micro Fluid Head with Quick Release Plate. The Bogen 3001 Tripod is the lightest (about 3 lbs.) and the smallest (folds to 20 1/2 in.), but is one of the most versatile tripods we offer. Sturdy, hard finish aluminum legs feature 3 click stop spread angles and each has a sure grip, quick-acting, non-fouling lever lock. The Bogen 3169 is just one of a wide choice of tripods, fluid heads, dollies and accessories.

See your dealer or write to Bogen Photo Corp., 565 East Crescent Avenue, Ramsey, N.J. 07446-0506; (201) 818-9500

CIRCLE SHOWCASE #1



HEAR YE!

GREAT SOUND FOR THE HEARING IMPAIRED

Chaparral, a leading manufacturer of sophisticated home entertainment products, has come up

with the perfect entertainment solution for the hearing impaired — the dB50 assistive listening device. The dB50, a wireless personal listening system, lets the hearing impaired enjoy audio/video programming without blasting the sound throughout the room. It uses Chaparral's EquaTone™ stereo technology, which provides tone adjustment for the left and right ear individually and in full stereo. It can be used anywhere in your house or yard within a 150-foot range. And you can tune the compact wireless receiver to all FCC-designated listening broadcast frequencies, and listen at the level that's ideal for you while family and friends listen to normal TV sound.

To hear more, call Chaparral at 800-435-7253.

CIRCLE SHOWCASE #3

VideoEdge™ - Video Tape Editing Breakthrough!

Now, for the first time, create professional looking videos as easily as clicking on your Mac™. No more fumbling with tiny buttons on your camcorder or VCR. VideoEdge™ is designed for easy use with a minimum of learning. Connect your player and recorder — then choose and log scenes in software — your Mac automatically assembles a completed movie on a VCR tape in your recorder — or on your hard disk as a QuickTime™ movie. Its as easy as that!



Includes All The Hardware
And Software Needed!

- Video Tape Editing For ... "The Rest Of Us"
- Produces Video Tapes and QuickTime™ Movies
- Controls Popular 8mm & Hi8 Camcorders
- Cuts Up to Six Video Sources (A/B/C/D/E/F)
- Built-In SONY LANC - Control L & Control S and Trainable Infra-Red Controller
- Import and Export In CMX 3400 & 3600 Format
- Easiest to use "Point and Click" Editing
- On Screen Titrting, Animation, Special Effects
- Control Unit For Camcorder & VCR Control
- The Price/Performance Leader

The fastest, easiest, most complete and ready to use system on the market. Includes everything you'll need - Control unit for Camcorders and VCRs, software for scene logging, editing, titling, special effects and more - at a great affordable price!

Silicon Valley Bus Co. Call Toll-Free 1.800.775.0555
475 Brown Road San Juan Bautista, CA 95045
Tel: 408.623.2300 Fax: 408.623.4440 AppleLink: SILIBUS

*QuickTime requires an optional digitizing board, like the SuperMac VideoSpigot™

CIRCLE SHOWCASE #2



THE SUMMER
CONSUMER
ELECTRONICS SHOW
AGAIN OPENED ITS
DOORS TO THE GENERAL
PUBLIC IN CHICAGO ON
JUNE 6, 1993.
IF YOU WERE THERE -
GREAT. IF NOT, WE
HAVE THE NEXT BEST
THING...

Full color, new products
and manufacturer
information. Published
by VIDEO Magazine.

Send only \$9.00 plus
\$1.00 handling to:
GUIDEBOOK, VIDEO
Magazine, 460 West 34th
St., New York, NY 10001.

THE OFFICIAL
1993 INTERNATIONAL
SUMMER CONSUMER
ELECTRONICS SHOW
GUIDEBOOK

CIRCLE SHOWCASE #4

compartment are similarly shaped and colored, except for the colored background around the R.A. Edit buttons, so you must depend on the tiny graphics on the buttons to differentiate them. Most of these functions are not on the remote, including S-VHS, insert edit, audio dub and R.A. Edit mode. You must use the buttons on the deck.

R.A. Edit is a nifty editor that can combine scenes randomly chosen from the same tape. You select in and out points for up to eight scenes. The jog/shuttle dial lets you select a precise frame for a start or end point, but the edits are not very accurate. Scenes began and ended anywhere from three to 70 frames (2-1/3 seconds) late. This may be accurate enough for casual editing, but not for serious work.

The VCR Plus cable box controller is a set-it-and-forget-it device that requires no attention after the command code is set other than battery replacement. The manual's table of contents is sketchy and you have to search for information about operating some features. A complete index would help.

Despite the awkwardness of some operations, there are redeeming features like next function memory, which lets

you enter a second operation before the first is finished, and eject after rewind is over. There is a really useful onscreen display that tells you the source, operating mode, day, time, speed, audio mode, indexed segment number, memory, counter and whether there's a cassette inside. This is an admirable deck when operated from the remote, but not when operated from the front panel. We rate ease of use very good, but this represents a compromise between features that are excellent and ones that are only fair.

Picture quality is excellent. Most of the luminance and chroma AM signal-to-noise ratios are the highest we've measured for an S-VHS VCR, exceeding even those of the HR-S6800U. The few exceptions, like chroma PM S/N at SP, are at least as good as on most competing VCRs.

Audio, too, is excellent. The Hyper-Bass system is useful on TV sets and audio systems without adequate low bass, but if you use the deck in a good A/V system, you probably won't need this feature.

The HR-S6900U earns an excellent to very good overall rating. If you're into home theater, you really can't buy a better deck (although you might find one

that's easier to operate). If you're into basic video editing, the R.A. Edit and other editing features could make this the perfect deck for you. Serious editors will also find this a good deck, but will probably want to use a stand-alone edit controller for better accuracy, in which case a deck that uses the LANC or Panasonic five-pin protocol might be a better choice.

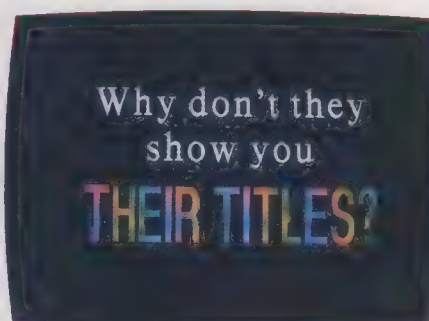
TECH TIP

Getting rid of leftovers

Those little leftover bits of shows that won't erase from the beginning of a tape can be annoying. To get rid of them, fast-forward for a few seconds so that a small amount of tape is on the right spool. Zap only this spool with a bulk eraser from the front and back, being careful not to get the eraser near the other reel if you want to keep the video that's already on the tape. The beginning of the tape will look brand-new.

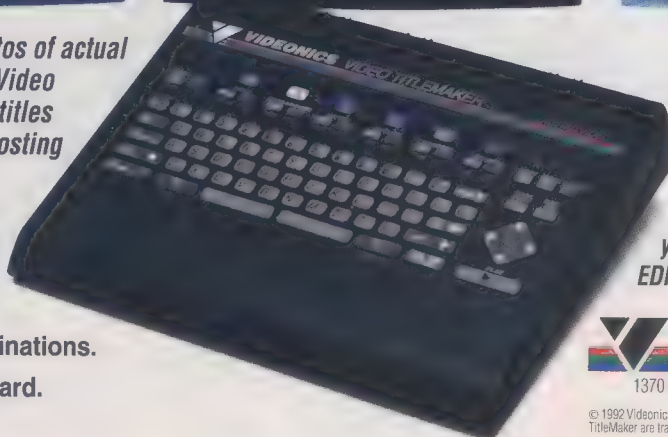
Michelle West
Toronto, Ontario

One Titler Speaks For Itself



These are unretouched photos of actual TV screens! The Videonics Video TitleMaker produces better titles than character generators costing thousands of dollars.

- Resolution surpasses both S-VHS and Hi8.
- Over a Million Colors!
- 48 Font and Size Combinations.
- Easy-to-use Full Keyboard.



- 12-Language Capability.
- 8000 Character Memory.
- 8-Speed Scroll and Crawl.
- 20 Special Effects.

If you'd like titles of this quality in your video productions, call 1-800-338-EDIT for the name of a dealer near you.



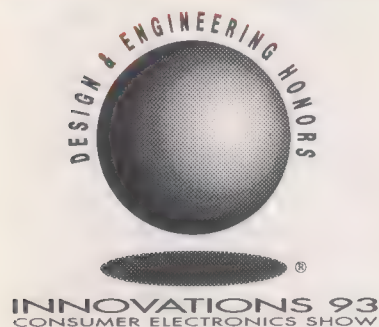
1370 Dell Avenue • Campbell, CA • 95008 • 408-866-8300

© 1992 Videonics, Inc. Specifications are subject to change without notice. Videonics logo and Video TitleMaker are trademarks of Videonics, Inc. Television screens are NOT simulated.

Circle 16 on Reader Service Card.

SAMSUNG'S QUALITY COMMITMENT

GLOBAL TECHNOLOGY LEADER RECOGNIZED AS A MAJOR PLAYER IN CONSUMER ELECTRONICS.



IMAGINE A WORLD with no cellular phones, no fax machines, few desktop computers, no CD players. That was our world 15 years ago, the same year that *VIDEO* Magazine was launched and Samsung Electronics first entered the U.S. market.

Today that technological profile is radically different. "The shorter the history of an industry, the faster we are able to catch up," is how Samsung Chairman Lee Kun Hee described his strategy in a recent *Fortune* magazine cover story.

Samsung's rapid growth and development epitomizes how quickly they can, indeed, "catch up." The Samsung Group, parent of Samsung Electronics Company (SEC), achieved \$48 billion in sales last year and is currently the world's 18th largest corporation. SEC is one of the top-10 consumer electronics companies in the world, which is active in semiconductors, telecommunications, computers and peripherals, and consumer electronics.

The company is best known in the U.S. for its critically-acclaimed consumer products. "Samsung has delivered an exceedingly simple and good-looking VCR that doesn't skimp on performance," is what *VIDEO* Magazine columnist Lance Braithwaite wrote about the Samsung VR8802 last year. In 1993, the Electronics Industries Association (EIA) awarded the Samsung 19-inch combination TV/VCR (Model CXB1924), 8mm VCR (XD3500) and 8mm camcorder (SCX953) Design & Engineering Honors in its Innovations '93 Showcase, on top of seven design awards in 1992. The company also received the coveted ISO9000

Certification for quality microwave oven and computer monitor manufacturing.

Such accolades result from a global commitment by Samsung to design its consumer electronics products specifically for their localized markets. As an example, all of the highly-acclaimed designs in the current Samsung video line were designed in the U.S. for the U.S. market exclusively.

The combination of quality engineering and quality design has resulted in major sales inroads by Samsung in consumer electronics. The company ranks number two in worldwide manufacturing marketshare for VCRs, number one for computer monitors, number four for color TVs, and number three for laserdisc players, reflecting Samsung's renowned,

world-class manufacturing prowess. It is also the sole manufacturer and marketer of 8mm video systems outside of Japan.

Samsung has taken an aggressive, headlong rush into the 21st century. At the recent CES, the company displayed a host of new technologies including CD-I, DCC, MiniDisc, 16x9 widescreen, and LCD projection TV. Thanks to over \$1/2 billion in R&D annually, Samsung is uniquely positioned as a leader in all critical technologies that are converging together to bring forth the next generation of consumer electronics products.

Samsung quality and engineering excellence will bring the world quality products that we can't even imagine today — and that tomorrow we couldn't imagine living without.



In 1993, the EIA awarded the Samsung 8mm camcorder (SCX953), 19-inch combination TV/VCR (Model CXB1924), and 8mm VCR (XD3500) Design & Engineering Honors.

AUTHORIZED!

SONY
HANDYCAM
CAMCORDERS

SONY
Canon
JVC

bogen

Nikon

HITACHI

VIDEONICS

YASHICA



TOOLS OF THE TRADE

50 Years
in
Business

HITACHI
VM-H39A



Panasonic

SHARP

KICOH

MINOLTA

AZDEN

SUNPAK

FUJIX-B

RCR

SIMA

Berger Bros. Camera and Video Exchange specializes in both Photographic and Video Equipment. We carry the **Largest Selection** of Camcorders and Accessories in stock and at the lowest prices. We'll help you make the right choice over the phone, that's why we can offer a **full money back guarantee**. We could list all of our Equipment in our ads like everyone else...but we call that our 192-page Catalog.

1-800-262-4160

We Compete With Any Legitimate Price & We Ship Anywhere
When Tomorrow Won't Do. Call Us Today.

BERGER BROS.

CAMERA & VIDEO EXCHANGE

(516)-264-4160 • FAX (516)-264-1007

209 BROADWAY (ROUTE 110) AMITYVILLE, N.Y. 11701

Circle 17 on Reader Service Card.

8mm CAMCORDER

continued from page 35

pensation and shooting in sandy or snowy environments. A high-speed shutter with speeds up to 1/10,000-sec-ond delivers crisp stills of fast-moving action. The fader is a hold-down type on

Canon E250 8mm Camcorder

Price: \$1,199

Weight & Size (h/w/d):
2.1 lbs., 4-1/2 x 4-7/8 x
10-1/8 inches

Battery Model/
Capacity/Charge Time:
BP-E77K/55 min./
70 min.

Image Sensor: 1/3-inch
CCD, 270,000 gross
pixels

Lens: f/2, 10x
(6.7-67mm), two-speed
power zoom with macro
range

Filter Diameter: 37mm

Minimum Focusing
Distance: 1/5-inch at
wide-angle

Autofocus: infrared

Minimum Illumination:
6.1 lux for 50 IRE

Iris: auto plus pro-
grammed AE modes for
BLC, spotlight, sand &
snow

Auto Fade: hold-down
type on camcorder, full
auto from remote

Shutter Speeds (sec.):
1/60 (normal), 1/100,
1/250, 1/500, 1/1,100,
1/2,000, 1/4,000,
1/10,000

White Balance:
auto only

Viewfinder: electronic
with diopter, Flexigrip
viewfinder positioner
and onscreen indicators
for manual focus,
recording reminder, lin-
ear counter, AE mode,
tape warning, shutter
speed, battery warning,
dew, lithium battery
warning, character title,
age insert, tape operat-
ing mode, edit erase,
date and time

Viewfinder Controls:
diopter focus, finder/grip
position

VCR Controls: stop,
fast forward/search,
play, rewind/search, re-
cord mode, line in,
eject

Microphone: mono
electret condenser

Jacks: video/audio in/
out, DC out for RFU

Tape Speed: SP

Video Heads: 2

Cue & Review Search:
9x & 19x forward, 7x
and 19x reverse

Fast Forward/Rewind
Time: 6-1/4 min./7-1/4
min. for 120-min. tape

Remote Control: IR
wireless with zoom
rocker and buttons for
start/stop, fade start/
stop, counter reset,
tape return, onscreen,
rewind/search, fast for-
ward/search, stop, play,
record, pause

Audio: hi-fi AFM mono

Titles/Graphics: 2 lines
of 16 characters plus
date/time, age/EVF dis-
play

Special Features: pop-
up light, still frame, pro-
grammed auto expo-
sure, edit erase, insert
edit, flying erase head,
zero return

Absent Features: ster-
eo audio, LANC jack,
mic jack, auto macro,
earphone jack, frame
advance, slow motion,
speed play, auto re-
wind, indexing, image
stabilizer

RESULTS

Horizontal Resolution:
250 lines

S/N Ratios (dB): un-
weighted video—43.1,
weighted video—49.6,
chroma AM—41.4,
chroma PM—38.3

Audio Frequency
Response: 40 Hz-7
kHz, +0.02/-3 dB, -11.2
dB at 20 Hz, -8.5 dB at
20 kHz

Hi-Fi Dynamic Range:
63.9 dB

Audio Distortion: 0.3%

RATINGS

Picture: good

Audio: average/fair

Ease of Use:
very good

Overall: good

Listen Privately to TV without disturbing others . . .

New **CH1000 Infrasound - Twin Power** cordless headset lets you enjoy TV as loud as you like without disturbing others. AC-powered transmitter-base connects easily to any TV or audio device. Lightweight battery-powered headset provides maximum listening comfort and full frequency response. Individual left-right volume controls on headset let you adjust the sound perfectly without getting up. Transmitter turns on/off automatically with your TV. **INFRA SOUND - Twin Power** is ideal for adults and kids, as well as the hearing impaired.



ARKON RESOURCES, INC.
Arcadia, California, U.S.A.

1-800-841-0884 FAX 818-303-6157

Circle 18 on Reader Service Card.

the camcorder, and trigger-operated on the remote.

One especially unusual feature is edit erase, which returns the tape to the start of a bad take if it is stopped within the first minute or so. This gives you the option of easy in-camera editing of interruptions like someone walking in front of the camera or car horns and other unwanted bits of picture and sound.

The remote control offers both record and playback functions for convenience. The camcorder has date and time imprinting, and memory for age imprinting. There's no digital superimposer, but there is a character titler with two lines of 16 characters.

In its appearance and control layout, the E520 harkens back to the compact 8mm camcorders of a few years ago. The camera bulge is sprinkled with 12 buttons, many of which are textured so you can identify them by feel—if you can memorize the textures. The unusual buttons include edit erase, age, programmed AE, zoom speed and macro. This is one of the few camcorders we've seen in the last year without auto macro focus.

There's a zoom meter in a window on the side, another feature we haven't

seen in a while. Most two-speed zooms require extra finger pressure to speed up, but this one has a button you have to hold down to access the higher zoom speed. While this prevents accidental speed-ups, it's more complicated. The manual focus ring is a welcome throw-back to older camcorders—it's more convenient and accurate than newer push-button systems.

Controls for the transport and character titler run along the top panel. There is no pause control on the camcorder. The remote has no switch to prevent accidental operation, but all the buttons are in a depression that does offer some protection.

Review, edit search and edit erase allow you to do quite a bit of in-camera editing. However, if you plan on post-production editing, it may be wise just to keep the tape rolling and do the cutting later. A degree of spontaneity is usually lost when you're concentrating on getting the tape perfect as you shoot. The A/V outputs can be switched to function as inputs for recording from external A/V sources.

The most significant omissions are an earphone jack, an external mic jack and a LANC jack for interfacing with

edit controllers. This camcorder offers more flexibility than a point-and-shoot, but not enough for serious videographers. Ease of use is very good.

Without the light on, the camera requires 6.1 lux to produce a 50 IRE signal, our standard of measurement. However, at 2 lux you can still see about half the steps on a brightness chart. Of course, with the light on, this doesn't matter much. Soon there will be an Electronic Industries Association standard for measuring low-light sensitivity of camcorders. This will make it easier for consumers to compare cameras.

Picture quality is good, about what we expect from an 8mm in this price range. A shot of a color bar chart revealed surprisingly good color rendition, with little noticeable noise (just a touch on the red and orange bars, as you might expect). We think you'll be pleased with the E520's picture. Audio quality is average to fair, a bit below that of many similarly priced models.

We think the E520's pop-up light and fine picture make it a winner and a good value. We rate it good overall. Watch for a similar model this fall, the \$1,400 E700, with optical image stabilization and a 12x zoom.

CAMCORDER REPLACEMENT BATTERIES

- HIGHEST CAPACITY • LONGEST RUN TIME
- LOWEST PRICES • 24 HOUR SHIPPING

PANASONIC PB80/88 orig. PAN ..	\$39.00
SONY NP77H 2400 mah	\$39.00
SONY 8mm 1500 mah	\$26.00
CANON 8mm 2000 mah	\$33.00
PALMCORDER 2000 mah	\$33.00
JVC GR-C9 1500 mah	\$35.00
SHARP BT 21/22	\$45.00

RAPID CHARGERS

CAMCORDER CHARGER/DISCHARGER

6V, 7.2V, 9.6V from house or auto - 1 hr. time for Sony, Canon, Panasonic, RCA/Hitachi

Charges 1 battery **\$49** Charges 2 batteries **\$87**

NEW External Powerpac+

will give you a minimum of 5 to 7 hours of recording time.

Powerpac+ includes:

- 6 volt @ 10 Amps sealed lead acid battery
- Heavy duty pouch and belt
- A charger for charging at home (optional charging cord for car, boat or plane).
- An adaptor of your choice.



Adaptor

\$85



MADE IN U.S.A.

BATTERY-TECH, INC.

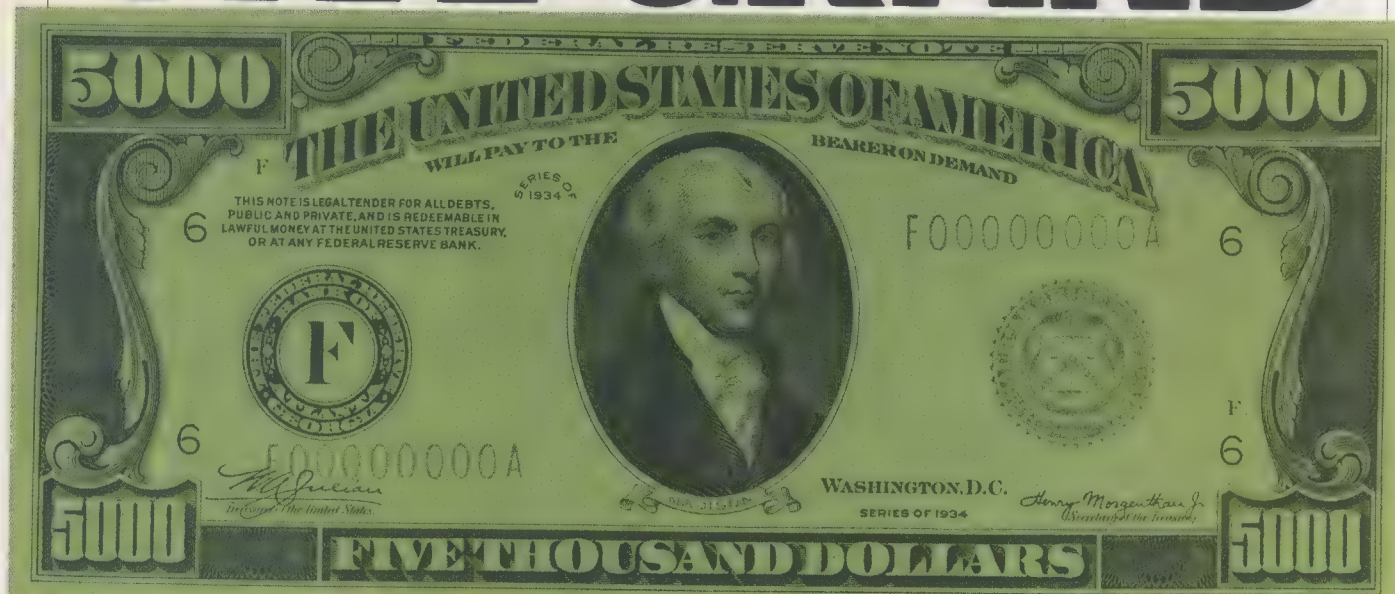
28-25 215 PLACE, BAYSIDE, N.Y. 11360 • FAX 718-631-5117

800-442-4275



Tube, projection, square or wide? A guide to high-end big screens

'FIVE GRAND'



BY MARTIN LEVINE

Let's assume for the moment that a crisp \$5,000 bill is burning a hole in your pocket. Maybe your lottery card has five of last week's six numbers, or a great-aunt remembered you in her will. Whatever the cause, be it luck or wealth, you badly need a new television and price is not an obstacle. But choosing the set is. This time it should be something...well, something big, something different, something on the cutting edge.

By fortunate coincidence, TV makers are fielding a group of sets this year that are among the most interesting and diverse ever. Packed with the latest technology, they present dramatically different options in picture size, picture type, even aspect ratio. TV's old limitations are falling, which makes choosing a new set more challenging. The tried-and-true way to choose one has always been to consider picture quality, audio performance, then other features, in that order. But for top sets, the issues are different.

We're going to try to make them

TVs

clearer by discussing in detail five televisions that stand out from the crowd. They all have big screens, innovative technologies and princely prices. While prices for most TVs have barely kept up with the cost of living, the high end has risen higher. This group ranges from about \$4,000 to \$6,500, which is why you'll need James Madison's help (he's the president on that fiver in your pocket). Although this is a wide price spread, the TVs represent distinctive choices you can use to examine the features that really interest you. The sets are:

- RCA's PS34190 ProScan CinemaScreen, a widescreen direct-view TV

with a 34-inch screen diagonal.

- Panasonic's PT-58WXF5, a wide-screen rear-projection set with a 58-inch diagonal, making it the largest of the first generation of widescreen sets.

- Pioneer's Pro-107 Elite, a rear-projection set with an offbeat, slightly wide aspect ratio.

- Mitsubishi's CS-40601, a conventional direct-view set with a 40-inch screen, making it the largest tube TV available.

- Sony's KP-61XBR28 Videoscope, a giant 61-inch rear-projection set with a conventional aspect ratio.

They represent the most diverse group of color TVs ever, and choosing one over the others is no easy task. No three of these sets have the same picture size, picture technology or aspect ratio. And there's just no way to judge a direct-view against a rear-projection model purely in terms of picture resolution. There's also the issue of aspect ratio: conventional vs. widescreen vs. Pioneer's "Cinema Wide" format that's about halfway between the other two. If you're on speaking terms with James Madison, you'll want to survey them all.

While HDTV is still at least three years away, the widescreen aspect ratio that's arguably HDTV's most important feature is here now. This year, a handful of manufacturers is introducing the first widescreen TV sets, with features never before seen.

RCA was the first and its ProScan model is a trend-setter. It has a 34-inch screen diagonal (think of it as a stretched 27-inch set) and a price of \$4,999.

While this is a big screen by usual standards, it's the smallest among the models we'll be discussing, which is either a blessing or a drawback.

Widescreen TV is a natural. Watching a 16:9 image feels like someone has suddenly removed the blinders blocking part of your vision. The world on the screen looks both more realistic and more cinematic. But can you really appreciate the effect on a screen not much larger than the average tabletop? That partly depends on the rooms in your home. Most manufacturers would agree that the future of widescreen TV lies with projection sets. But not every room has sufficient space for projection sets, and widescreen versions require more space than 4:3 models to maintain comfortable viewing distances.

Letterboxed movies and other widescreen programming, of which there isn't much, look better on the ProScan set than on conventional sets. The images are larger, because electronic zooming helps fill the entire screen.



Panasonic PT-58WXF5
Type: Rear-projection
Screen Size: 58 inches
Aspect Ratio: Widescreen
Price: \$6,499

There's also an esthetic boost from doing away with the horizontal black bands present in letterboxing.

Panasonic's PT-58WXF5 rear-projection TV really takes the image to a cinematic size. This top-line entry is a widescreen model with a 58-inch diagonal and a \$6,499 suggested price. The point of widescreen sets is to better approximate the effect of watching a movie in a theater, and the PT-58WXF5 achieves this to a greater degree. Turn

down the lights, butter the popcorn, slip in a laserdisc and you'll almost believe you paid \$7 to see the show.

Can't decide between a widescreen and a conventional set, especially since true widescreen programming barely exists?

Pioneer has a surprising option—a slightly wide screen. Its Pro-107 Elite is a rear-projection set with a 55-inch screen and an aspect ratio of 16:10.7, about halfway between conventional and full widescreen shapes. The Cinema Wide screen, as Pioneer calls it, represents a huge gamble for the company since it's completely dropped the conventional 4:3 aspect ratio in favor of its new vision. At \$5,500, the Pro-107 tops Pioneer's new line.

Pioneer chose the odd-sounding ratio of 16:10.7 for good reasons. Pioneer engineers say that at this size, it's easier to maintain edge-to-edge picture sharpness and minimize the distortion present in images zoomed to a wider aspect ratio. Since TV programs still use a 4:3 ratio, people will spend most of their viewing time watching zoomed images.

On the plus side, the screen is wider than conventional sets, and conventional programs zoomed to fill the screen are enlarged to a lesser degree than they are on the ProScan and Panasonic widescreen sets. On the minus side, the Pro-107 has to cut off a little image area on both sides of the screen to fill it with movies shot in widescreen formats.

Mitsubishi's CS-40601 and Sony's KP-61XBR28 are both conventional sets with screens large enough to comfortably display letterboxed mov-



Mitsubishi CS-40601
Type: Direct-view
Screen Size: 40 inches
Aspect Ratio: Conventional
Price: \$3,999

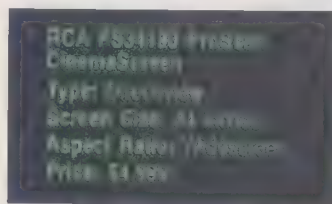
FIVE GRAND



ies. The Mitsubishi is a 40-inch direct-view set priced at \$3,999, while Sony's is a 61-inch rear-projection model for \$5,299. In fact, Sony's set can display almost the same 16:9 picture as Panasonic's 58-inch widescreen set. And it won't cut off any of the image, even with CinemaScope programs, but oh those black bars.

In terms of picture size, aspect ratio and my own esthetic preferences, the Panasonic set makes the strongest impression. However, picture quality is another matter. Other factors being equal, direct-view sets display brighter, sharper images than projection sets. Anytime it's necessary to add an optical path (like that created by mirrors and a projection screen) between the picture tube and the viewer, something's going to get lost along the way.

Because it has the smallest screen size among our sets and a direct-view picture tube, the ProScan starts off with an advantage in overall picture



sharpness, even though its larger competitors are rated for more lines of horizontal resolution than the ProScan's 560. Add progressive scan line doubling, a digital comb filter and switchable color temperatures for movies and TV programs, and the ProScan adds up to an impressive package. Given high-resolution programming, it could almost duplicate the promised performance of HDTV receivers. Moreover, unlike the other sets, the ProScan has a RGB jack that could (this is only a possibility) connect to an HDTV decoder

once the Federal Communications Commission sets a transmission standard for the U.S.

For a mammoth direct-view set, Mitsubishi's CS-40601 delivers an impressive picture, especially since bigger CRTs tend to lose the sharpness edge of smaller tubes. Mitsubishi's performance

polator that creates a fourth scanning line for every three delivered by the video source, at least in the two expansion modes Panasonic reserved for wide-screen programs. The interpolation helps, as does the set's 750 lines of horizontal resolution, but expanded letterboxed images lose the crispness that progressive scanning could have preserved.

What Pioneer's slightly narrower aspect ratio gives up in cinematic appeal, it gains back in picture quality. Maintaining picture sharpness and contrast from edge to edge were less daunting tasks for Pioneer engineers, and the results are apparent in the Pro-107's picture performance.

This is also due in large part to a new three-line digital comb filter, a dual dynamic focus system that uses an extra set of magnets on

the CRT, and a new green phosphor that adds up to a bright, high-contrast picture with 830 lines of horizontal resolution. In addition to the innovative aspect ratio, Pioneer has stuffed the set with just about everything it has learned about television electronics and optics.

The same can be said about the largest entry in this group. Sony's 61-incher is based on the same TV chassis developed for its acclaimed XBR² direct-view sets. Picture performance is enhanced by a digital comb filter and the use of first surface mirrors. With these mirrors, the projected image is reflected off the outer surface, rather than from a reflective base beneath the glass, as is usually the case.

Brightness, sharpness and contrast are astonishingly good for a set this large, and Sony claims its horizontal resolution is 1,100 lines, right up there with HDTV. But there's more to a high-resolution picture than lines of resolution. Despite impressive performance, no one is going to confuse the KP-61XBR28

is due in no small part to an effective comb filter and a high-contrast, darkly tinted picture tube. Mitsubishi rates the set's horizontal resolution at 700 lines, more than adequate for anything short of HDTV programs.

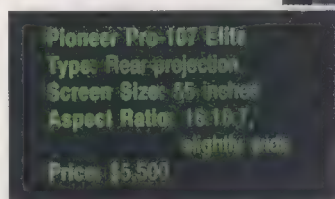
But a screen this big almost demands a line doubler, something that can also be said about our three projection sets. Panasonic comes close with a line inter-

with an HDTV receiver. Progressive scanning would help, but that's an option that Sony rejects for the present.

Absent this, the set I find most impressive in terms of picture quality is the ProScan.

HOW'S THE SOUND?

There's another important consideration.



Any TV that costs somewhere in the neighborhood of \$5,000 should deliver audio performance commensurate with its price tag. While all the sets have the requisite amplifiers, multiple loud-speaker arrays and sound processing circuitry, none is going to outperform even a mid-level home audio system. Anyone who wants true home theater sound is going to connect each of these sets to a separate sound system.

This said, there are significant audio differences among the sets. Both the ProScan and the Panasonic build in Dolby Pro-Logic surround circuitry, a feature that should be a given for any large-screen TV designed for

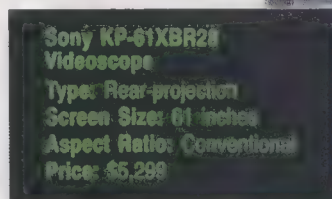
home theater viewing. Both Sony and RCA invested in six-speaker arrays, while Panasonic's use of its Dome loud-speaker system, developed for its Gaoo line of direct-view sets, adds a certain

could upgrade for HDTV at the appropriate time. Each set has part of the package. None has it all.

But the problem is you could wait forever for the perfect TV set. And that doesn't make sense.

So, which to choose? The ProScan has everything except a really large screen. Pioneer and Panasonic have big, wide screens, while Mitsubishi has a less costly big screen. Sony has the biggest screen and a very good picture. Call me old-fashioned, but for my money, bigger is better. For an extra few hundred, Sony's KP-61XBR28 works as well serving as a home theater as it does serving as a regular TV set. I can always get Pro-Logic in my next A/V receiver and as for HDTV I'll just have to upgrade when the time comes.

At least, I will when I hit the lottery again. ■





To Call Them Basic Video is to Call a Porsche® Basic Transportation.

Fasten your seat belt. Samsung's new TVs and VCRs have arrived. On the outside, the essence of sophisticated styling. On the inside, superior engineering. In other words, hardly your basic video.

Our TVs are as beautiful on the ears as on the eyes. Stereo sound with dbx® noise reduction. 181 channel capability. Three audio/video inputs.

Our VCRs are equally impressive. Multi-television remote control. Front-mounted jacks. Auto head-cleaning system.

Samsung's new TVs and VCRs. Like the styling and performance of a Porsche, they're in a class of their own.

Test watch one at a dealer near you.



SAMSUNG
Electronics

Technology that works for life.

Samsung Electronics America, Inc., 105 Challenger Road, Ridgefield Park, NJ 07660. For more information, please call one of our zone offices:
East (201) 229-4000; West (213) 537-6791; Midwest (708) 916-2230; South (404) 956-0800.

Circle 20 on Reader Service Card.

15 YEARS OF HOME VIDEO

The kids of the '50s were the first TV generation. The first video generation had to wait for the '80s. Born to video, we came of age as technologies of the tube, tape, lens and disc swept into every corner of America's culture. Video's impacts are so deep, so widespread, they're already taken as givens. VCRs introduced us to a new visual literacy, timeshifting loosened the reins of the present, MTV telescoped our attention span, videogames readied us for computers, camcorders opened our eyes while

narrowing our privacy, amateur news clips held us witness to unforgettable events.

These are the changes we've experienced and that *Video Magazine* has covered since our premier issue at the start of 1978. As video's impact has widened, so has our perspective. The special anniversary section in the following pages presents a panorama of the events that shaped the home video era, the people who invented it, the enthusiasms that power it and, with the past as prologue, an informed look at the years ahead.





NONSTOP

It began with an idea, but a powerful one—that individuals could gain a measure of control over the television programs be-

ing broadcast into their homes. The VCR did this in ways and with a speed few anticipated. It ushered in the non-stop revolution known as home video, the end of which is still nowhere in sight.

Along the way, Americans lived through slash-and-burn format wars over differences in recording products, legal challenges over the right to make private videotapes, the birth of the camcorder, videogames, the rise of the rental store and much more. What it's added up to is a new kind of culture. Here, drawn from the pages of *Video Magazine*, are the events and trends that shaped today's video-based environment.

Beta vs. VHS. Like top-ranked tennis players in a tense Wimbledon championship, the Beta and VHS formats volleyed back and forth with incremental improvements for almost 10 years before VHS achieved dominance.

Story by Jim Barry, Brent Butterworth, Brian Clark, Kenneth Korman and Stan Pinkwas. Timeline by Stewart Wolpin.

How home video grew to become the culture and technology that defined an era

Sony got there first with the LV-1901 Betamax recorder, introduced in March 1976 as part of a large and expensive console that also included a 19-inch Trinitron TV. After modest sales, the company debuted a stand-alone deck later that year. But JVC countered in 1977 with its first VHS deck, initially available only in Japan. Sony signed up

Toshiba, Zenith and Sanyo, while JVC brought Sharp, Hitachi and RCA to its camp. But recording time—not brand-name muscle or Beta's undeniable technical edge—would soon become the focus of this electronic clash of the titans.

JVC's T-120 VHS tapes doubled Beta's initial recording time of one hour, capturing the public's fancy. Both sides continued to increase recording times, but RCA's marketing and advertising push gave VHS an edge that it would never surrender. Sony hoped the January 1983 introduction of Beta hi-fi would constitute a knockout punch, but VHS hi-fi soon followed. By August 1985, *Video Magazine*'s cover asked, "Is Beta Sinking?" and Beta fanatics gravitated toward laserdisc. Today, Sony keeps two or three Beta VCRs in its line. But for millions of casual viewers, a "video" means a movie presented on a VHS cassette.

Your right to tape. We take it for granted that we have the right to tape televised programs for personal use. But as

Jan. 1978
First issue of *Video Magazine*.

Spring 1978
First video rental store franchises—George Atkinson's Video Station—sold.

March 1978
First programmable VCR, RCA's VCT-400.

Oct. 1978
First pay-per-view programming, movies on L.A.'s KWHY-TV.

Dec. 1978
First laserdisc player, Magnavox's Model 8000.

Jan. 30, 1979
Lawyers play Beta copy of *The Mickey Mouse Club* in U.S. District Court, kicking off landmark Betamax case pitting Sony against Universal over the right to tape.

Feb. 1978
First portable earth station approved, making it possible to broadcast TV signals from any location to any other.

Summer 1981
First VCR with stereo sound and Dolby, Akai's 7350.

Nov. 1980
First commercial broadcast of closed-caption show for the hearing-impaired.

Aug. 1, 1981
MTV premier with "Video Killed the Radio Star" by the Buggles.

REVOLUTION

the video era dawned, this fundamental activity was so powerfully attacked it took the Supreme Court to establish it as a right, even though most people thought it already was.

The struggle began in 1976, when Universal City Studios and Walt Disney Productions charged that consumers were illegally taping their copyrighted movies off the TV. Instead of going after viewers, they singled out Sony, maker of Betamax; its ad agencies and a few video dealers. In the ensuing eight years, the Betamax Case, as it came to be known, inched its way toward the Supreme Court. Sony won the first trial in 1979, lost an appeal in 1981, then triumphed at the start of 1984. The court ruled viewers have a right under the Fair Use Doctrine to tape at home as long as they don't use the copies to make money. The decision has stood as a Magna Carta for videophiles ever since.

Rise of the rental store. Video rental stores followed hard on the heels of the first VCRs. By 1978, when *Video Magazine* appeared, they were already being franchised. But seldom has any type of retail business been as

beleaguered. Barely 15 years old, video rental stores have always been under siege, weathering attacks by mail-order firms, other kinds of retailers, even their own suppliers. In the early 1980s, Hollywood studios floated their own ill-fated "rental plans."

At their peak, a few years ago, video stores numbered about 30,000 in the U.S. Now, there are about 25,000, and their character is changing. Rental superstores carrying 7,500 or more titles are proliferating, and chains like Blockbuster, which has more than 3,000 outlets, are gobbling up smaller shops. Thousands of supermarkets and convenience stores sell low-priced cassettes, and the possibility of electronic "video-on-demand" directly to homes promises further challenges.

The video rental store has proven to be remarkably hardy and will probably adapt. We've learned in the past 15 years that Americans love to browse in cassette-filled aisles, discussing, comparing, arguing about their favorite films. This can also be done electron-

ically, of course, but for a generation, the video store has been the ideal place to find a movie for the night.

Birth of the big screen. Fifteen years ago, a TV set was just an appliance. But audio pioneer Henry Kloss had already sown the seeds of videophilia a year earlier, in 1977, when he introduced the Novabeam video projector, the first practical big-screen TV. (It was actually an improved version of the Advent Videobeam, an unsuccessful design from 1973.)

Many objected to the Novabeam's dim picture, but Mitsubishi solved the problem in 1983 with its BS-453RS, the first rear-projection TV. Many people still found the picture too dim, but screens were still growing in size. In 1986, Mitsubishi answered the demand with the CS-3501, the first 35-inch direct-view set, and last year upped the ante with the 40-inch CS-40FX1.

The latest trend in big-screen TV began this spring, when Thomson introduced the first 16:9 TV in the U.S., the direct-view ProScan PS34190. JVC and Panasonic have followed suit with rear-projection 16:9 sets, and Pioneer has countered with a 16:10.7 set. ▶

Mar. 1982
RCA ships first CED videodisc players

June 1, 1982
JVC unveils VHS-C at New York's Playboy Club

Jan. 1983
Beta hi-fi is introduced

July 1983
First hi-fi VHS VCR, JVC's HR-D725

Feb. 1984
GE and Kodak unveil first 8mm camcorders

Sept. 1984
First combi player, Pioneer's CLD-900

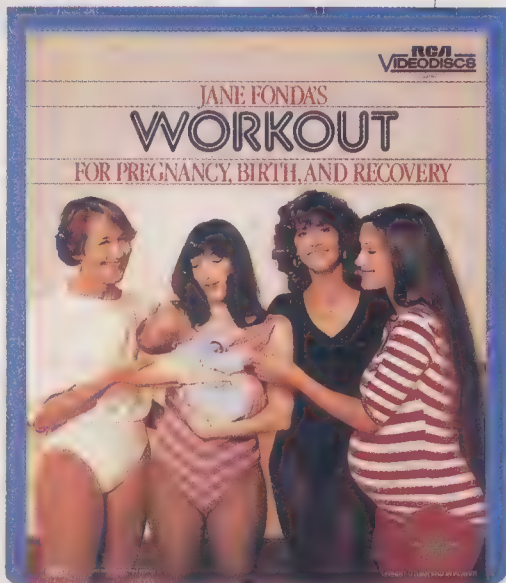
Apr. 1982
Jane Fonda's *Workout* launches boom in exercise tapes

Dec. 1982
First Dolby Surround decoder, Model 360 by Surround Sound Inc.

Jan. 17, 1984
Supreme Court rules for Sony, declaring home videotaping legal

July 27, 1982
First TV program broadcast in stereo, Johnny Carson's *Tonight Show*

REVOLUTION



Gone With the Burn: A Jane Fonda workout for CED, a disc format launched in 1981, shipped in '82 and withdrawn in '84.

Movie sound at home. The genesis of movie surround sound for use at home was the 1977 release of *Star Wars*, the first movie in Dolby Stereo, a four-channel sound process for film. To reproduce the exciting soundtracks of this and other Dolby Stereo movies in the home, Dolby created Dolby Surround, a simplified, three-channel system first heard in 1982 with the Model 360 decoder from Surround Sound Inc.

Shure improved on Dolby Surround in 1986 with the HTS5000 decoder, which had outputs for a center channel and stereo surrounds. Dolby met this challenge with Pro-Logic, a four-channel decoding system with mono surround

that has since become the industry standard. The first Pro-Logic decoder was NEC's PLD909.

In 1990, Luscasfilm took Pro-Logic further with its THX licensing program, a set of specs for home theater decoders, amplifiers and speakers. At last count, THX-certified equipment was available under more than two dozen brands, and the program has expanded to cover screens, cables and laserdiscs.

From cameras to camcorders. In home video's early days, when people talked about shooting personal videos, they were talking about using a video camera, which had tubes instead of today's CCDs, and a separate "portable" recorder that was wired to the camera. Generally, the shooter stayed put, since the recorders were heavy. The earliest cameras were black-and-

white, and lacked features today taken for granted, like the zoom lens, the electronic viewfinder and the built-in microphone.

Not until 1983 did we see the first "camcorder"—a camera and recorder in one unit, Sony's BMC-110 BetaMovie. It recorded but could not play back your shot. This pioneering piece weighed in at six pounds. Soon, hi-fi sound arrived, in both Beta and VHS formats.

Camcorders progressed rapidly, adding the mini-formats of 8mm and VHS-C, but it was the arrival of the CCD that prompted the most dramatic changes in camcorders. It allowed camcorders to

shrink dramatically in both size and weight while becoming much more sensitive to ambient light. The push has continued for better picture quality with new features like multiple CCDs, miniaturized zoom lenses, better autofocus, electronic image stabilization and built-in time code.

Game arcades at home. Anyone older than 25 remembers Odyssey, the first home videogame, which Magnavox introduced in 1972. Odyssey was a simplistic tennis game; later versions offered hockey, handball, basketball and other games. Odyssey and other dedicated game platforms began to fade in 1977 when Atari introduced its 2600 Video Computer System, which used interchangeable game cartridges. The games were fun, but offered poor graphics and sound. To get arcade-quality home



8mm Dawn: Kodak's KodaVision 2400, an early 8mm camcorder.

games, you had to buy a personal computer like the Commodore 64.

Nintendo changed that in 1986 with *Super Mario Bros.*, the first game for the eight-bit Nintendo Entertainment System. Every NES cartridge offered true arcade-quality play, and third-party developers soon created a staggering variety of NES games.

Sega and NEC later challenged the NES with 16-bit machines with better

May 1980
First color
LCD TV, the
two-inch
ET-10 Epson
Elf

Oct. 1980
First Blockbuster
store opens in
Dallas

Oct. 1986
First 35-inch TV,
Mitsubishi's
CS-350L

Jan. 1987
First Dolby Pro-Logic
decoder, NEC's
PLD909

Dec. 1987
For first time
Americans spend
more in a year to
rent movies on video
than to see them in
theaters

May 1983
NBC begins
distributing all its
TV programs
by satellite

Jan. 1986
Nintendo Enter-
tainment System
debuts with first
Super Mario
Brothers game

Oct. 1986
First TV broadcast in
Dolby Surround, segment
on Halloween episode of
NBC's *Amazing Stories*

July 1987
First S-VHS
VCR, JVC's
HR-7000U

September 1988
First ED Beta
VCR, Sony's
EDV-9500



Kids in Court: The Mickey Mouse Club, one of the "illegally" taped shows at issue in the Betamax Case.

graphics. Nintendo countered with the 16-bit Super Nintendo Entertainment System in 1991. NEC introduced the TurboGrafx-CD, the first CD-based videogame system, in 1989, and Sega followed suit in late '92 with the Sega CD.

Direct from space. Satellite technology has been a key delivery medium since the beginning of the video era. Big dishes now bring video programs from space into more than four million backyards. Another 25,000 new systems are hooked up every month, often for customers who cannot receive cable service or who are dissatisfied with cable's poor picture quality and service. Satellites powered the development of cable TV's most popular programs and laid the cornerstones of the broadcast networks' biggest recent successes—news and sports shows. In 1979, the first portable earth stations made it possible for TV stations to broadcast programs anywhere. Now satellites are poised to take

center stage, entering a new era of personalized service by delivering video programs directly to tiny home-based dishes that can be mounted in practically any location.

By using higher-powered satellite transponders, digital compression to pack more channels into available bandwidth, and an encryption process to protect signals from unauthorized use, the new generation of direct-broadcast satellite systems promises clearer pictures, CD-quality sound and unmatched program selection at competitive prices.

Roads not taken. Video's brief past offers plenty of reminders that not every great notion is assured public support.

The CED, or Capacitance Electronic Disc, system was introduced by RCA in 1981. It included a \$499 CED player, which used a needle instead of a laser to read information off the discs, and a library of about 200 titles. In the end, CED couldn't keep up with the declining prices of VHS VCRs and tape rentals. RCA abandoned it in 1984, writing off a \$250 million investment. Not all formats even made it to the U.S. In the early '80s, a videodisc format called VHD, for Video High Density, was developed by JVC and marketed in Japan. Despite elaborate U.S. launch plans, that's where it stayed.

The video generation. Deep into video's second decade, its presence is felt in every aspect of our lives. Most homes have VCRs and cable TV. Great numbers have camcorders, videogame systems, satellite receivers and laserdisc players. In the span of one-fifth of an average life, we have been introduced to camcorders, satellite television, simplified timeshifting, 8mm and Hi8,

S-VHS, video printers, exercise tapes, music videos, boxed movie sets, giant TV tubes, high-quality projectors, LCD projectors, surround sound, widescreen TV, interactive games, image stabilization, universal remotes and more.

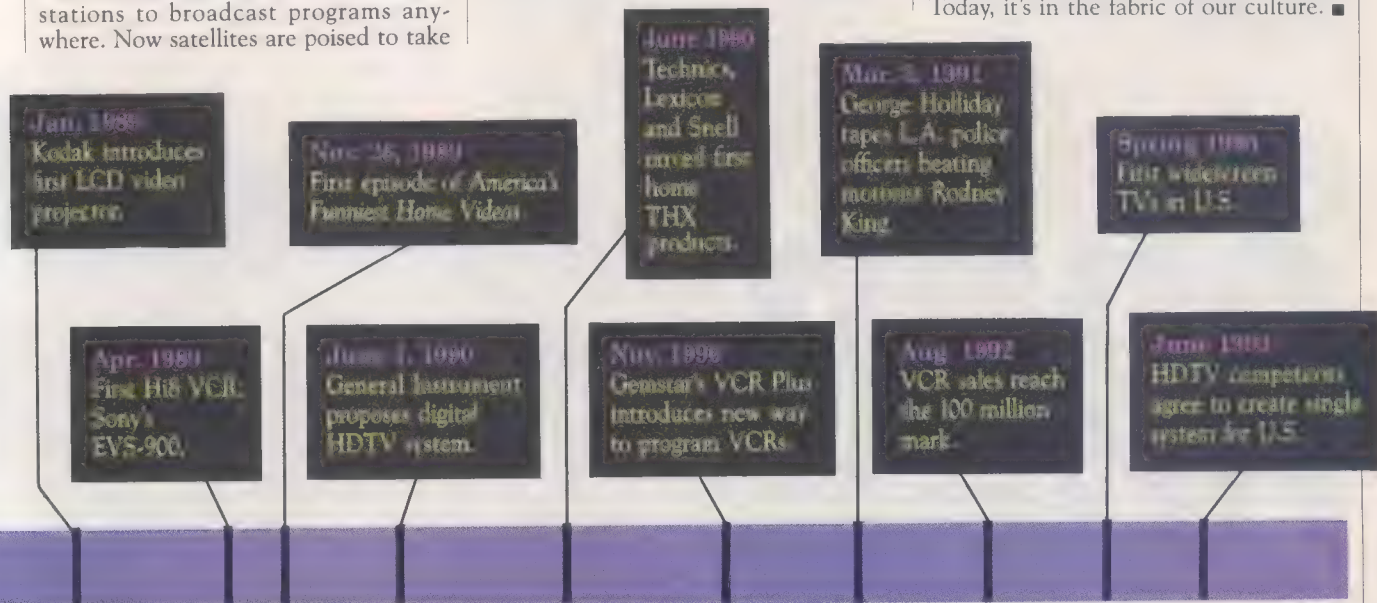
Police use video to document arrests, activists use video to correct abuses, lawyers to re-create events for trial, realtors to sell homes, insurers to judge losses, surgeons to peer inside their patients. Broadcasters expect newshounds to be on the spot when they're not. Networks build programs around amateur footage. Video rental



Sink or Swim: Video Magazine's August 1985 cover questions Beta's future given the popularity of VHS.

stores are as commonplace as pizza shops. Movie buffs collect films as easily as music lovers collect concerts. Families have a powerful new way to watch their children grow.

None of this was true 15 years ago. Today, it's in the fabric of our culture. ■



AGAINST

How laserdiscs survived the shadow of the VCR to find a place in the sun

BY STEWART WOLPIN

Let's face it: We laserdisc fanatics have too much time on our hands. After all, we don't simply *watch* a film like regular people. We're too busy evaluating the quality of the transfer and the placement of the side breaks. We slow-mo through *Terminator 2* just to see Arnold's guide wires. We buy elaborate three-disc sets of John Wayne's restored *The Al-*

THE

amo. (Okay, I bought it.) And we find the necessary cash and leisure time to partake of the new 13-pound, nine-disc, \$250 THX-approved boxed set of the *Star Wars* trilogy.

But our fanaticism is not without a solid, dare I say *rational* foundation. Under the right circumstances, a well-produced laserdisc can deliver a cinematic experience superior to that of multiplex theaters, with their tiny screens and of-

ten outmoded audio systems. And the quality of the laserdisc format in relation to VHS is even better than the oft-cited 60 percent jump in resolution. Flesh tones are warmer and more realistic, colors are bolder and brighter, and old black-and-white films take on new lives.

Meanwhile, laserdisc's audio quality preserves the ambience and pinpoint placement of sounds on even the most detailed and difficult movie soundtracks, all of which was lost before these shiny 12-inch platters came along. And the extras included with so many laserdisc editions—theatrical trailers, director commentaries, original interactive supplements and the like—supply an altogether new entertainment experience, one that was created just for the laser aficionado. The laserdisc is unquestionably the best and most cost-effective way to collect films.

But it's been a long, hard road to the pristine laserdiscs of the '90s. Most laserphiles will be amazed to hear that the first videodisc player was built in 1927 by British inventor John Logie Baird, in conjunction with his pioneering work on television itself. Baird received several patents for "Phonovision," a phonograph system that yielded 30 lines of resolution. However, World War II put a stop to early videodisc development.

It wasn't until the early 1960s that videodisc research was revived. The newly invented (and very expensive) videotape recording systems of the time

yielded acceptable quality, but did not capture the full NTSC

frequency range. In addition, videotape was not seen as a potential home entertainment format. So in March of 1961, 3M and the Stanford Research Institute (SRI) became partners in the first serious research into videodisc technology, done with the express purpose of developing a home recording and playback system. By the conclusion of the SRI/3M partnership in 1963 and 3M's additional research in 1966, 19 patents had been granted, including one for the constant angular velocity (CAV) format used on subsequent optical disc technologies.

By that time, it was clear that a home video recording and playback system was not only possible, but inevitable. While Sony pursued a videocassette recording system in the mid-'60s, there were four videodisc projects under way. RCA began investigating a capacitance electronic disc system—CED—which used a stylus to electronically read peaks and valleys from grooves in a 12-inch disc. A grooveless capacitance system called VHD—Video High Density—which used 10-inch discs, was being developed by JVC. Telefunken of West Germany partnered with Decca Records to develop a mechanical videodisc system called TED. And in Holland, Philips joined with MCA to develop an optical system using gas lasers.

By the

ODDS

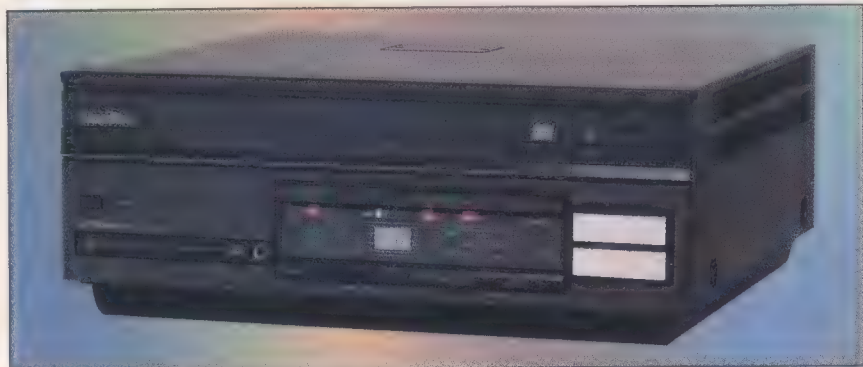
time Sony pushed the world into the home video age with the Betamax in 1976, followed by RCA's Matsushita-made VHS VCRs a year later, major electronic hardware companies were already choosing up sides in the coming

the mid-'70s, the two joined forces with Philips to create DiscoVision, which started shipping 30 to 40 titles in CAV, primarily MCA films. But it wasn't until Pioneer unveiled its first laserdisc player, the VP-1000, in June 1980 that DiscoVi-

campaign ever run for a new RCA product.

To battle RCA's marketing muscle, MCA, Pioneer and Magnavox Video Productions formed Optical Programming Associates to create programs that emphasized LaserVision's interactive random-access capabilities. The first truly interactive disc from this joint venture was *The First National Kidisc* (recently reissued by the Voyager Co.) in 1981. This ground-breaking title, which would later win the first video Grammy, contained just under the maximum 30 minutes of linear CAV programming, but its labyrinthine branches could occupy a child for 50 hours.

Both the CED and LaserVision camps faced one major problem, however: the stunning success of the VCR. "Why buy a machine that only plays movies," consumers rationalized, "when we can buy one that both plays and records?" So they didn't. Plus, consumers were beginning to discover video renting. For a couple of bucks a night, they could see whatever movie they wanted, instead of shelling out \$20 to own it. It was only a small group of techies and film lovers that kept the disc formats



Double Duty: Introduced in 1984, Pioneer's CLD-900 was the first combination CD/laserdisc player.

videodisc war. RCA signed up Zenith, Hitachi and Sanyo, along with retailers Radio Shack, Sears and Montgomery Ward. CBS would press the CED discs. JVC hooked Panasonic, Quasar and GE along with J.C. Penney for VHD. Toshiba licensed both. Only tiny Pioneer signed on with Philips and its LaserVision system.

JVC won the first heat. In September 1978, the same year the first issue of *Video Magazine* hit newsstands, VHD was introduced in Japan. To avoid a Beta/VHS war, JVC's parent company Matsushita tried to rally all manufacturers behind its format, as it had for VHS, but met with little success—VHD was never introduced in the U.S.

Two months later, Philips started selling its Magnavox Model 8000 LaserVision player in Atlanta, followed by rollouts in Seattle and, later, Dallas. Both MCA and IBM were developing disc software for the Philips laser format. In

sion collectors had a truly reliable machine on which to play titles like *American Graffiti*, *Psycho* and *The Sting*.

Magnavox, Pioneer and DiscoVision had the market to themselves for less than a year. On March 22, 1981, RCA marketing chief Jack Sauter, high on the rarefied air of his victory over Sony in the VHS/Beta VCR wars, glibly declared



Gone But Not Forgotten: RCA's SGT 100 CED disc player launched a format that was destined to fail.

the new SelectaVision CED Video Disc system, the SGT 100, "the most important new consumer electronic product since color television."

The launch was supported by the largest advertising and promotional

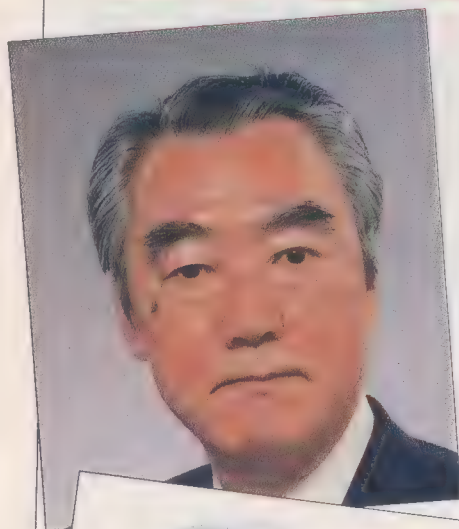
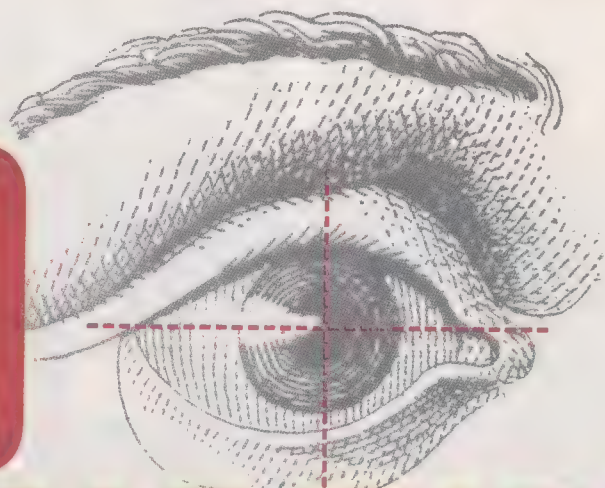
alive.

The first casualty of the marketplace was DiscoVision. It was racked with internecine battles, primarily over IBM's protest against releasing X-rated titles. In the winter of 1981-82, without Big Blue's deep pockets, DiscoVision shut down.

Despite CED's relative success, RCA faced problems more complex than the exploding VCR industry. CED picture quality wasn't much better than videotape, and because there was physical contact between stylus and disc, the picture was sure to degrade over time. RCA gave up in April 1984, even though it had sold more than a half-million CED machines in two years.

continued on page 84

VIDEO VISIONARIES



How 15 daring innovators used pluck, luck and genius to change the way we watch

The culture of video swept through the American landscape on the strength of a vision. Those who most influenced the vision and shaped the way it would spread were a diverse group. Many were scientists, of course, but there were also risk-taking entrepreneurs, marketing wizards and a few true believers who stuck with ideas the conventional wisdom had already dismissed. Here are 15 of video's prime movers, the starting line-up for video's A-team. They changed the way video technology developed, and the way it was accepted. And if the names are unfamiliar, you'll find that in most cases you're already living with the results of their achievements.

NOBUTOSHI KIHARA — A Beta Idea. One day in the course of

Format Warriors: Betamax pioneer Nobutoshi Kihara (top) and VHS video chief Shizuo Takano (left).

Sony's lengthy quest for a home VCR, Sony co-founder Masaru Ibuka showed Sony engineer Nobutoshi Kihara a paperback book less than half the size of the revolutionary U-matic videocassette Kihara had recently pioneered. The U-matic format was the first commercially successful video recording system to use a convenient cassette instead of bulky tape reels. Now Ibuka asked Kihara if he could make a home VCR using a tape as small as the book. Kihara's answer was the Betamax. Its introduction in 1975 ushered in the age of home video.

SHIZUO TAKANO — Mr. VHS. Shizuo Takano, JVC's chief of video products in the early '70s, was responsible for developing, producing and marketing the VHS VCR. At a key moment in the format's development, he astutely foresaw that its two-hour recording capacity, which was double Beta's at the time, would win over people who wanted to record movies off the air. The insight led Takano and Yuma Shiraishi, leader of the VHS engineering team, to politely decline a Sony offer late in 1974 to join the Betamax bandwagon then building. The success of VHS, launched in 1976, confirmed Takano's vision: You don't have to be the first off the blocks to win the race.

JACK SAUTER — The Triumph of VHS. Three-quarters of all

Makers & Markets:
From the top, Sony co-founder Akio Morita; Andre Blay, who put movies on tape; Jack Sauter, who put VHS on the map; and audio wizard Ray Dolby.

American homes have a VCR, 99 percent of which are VHS. More than any other single person, Jack Sauter set in motion the selling machinery that would lead to these extraordinary figures. Sauter was vice president of marketing for television giant RCA when Beta and VHS were introduced. In 1977, more than a year after Sony brought its Betamax to the U.S., Sauter struck back. Undercutting Betamax prices, he saturated 50 states with longer-playing VHS VCRs. When VCR sales plummeted early in 1978, Sauter was undaunted. He and his colleagues hit the problem with every trick learned in two decades of selling TVs. Business picked up by the middle of the year. After that, says Sauter, "it was a downhill run."

AKIO MORITA — *Make It Small, Make It Simple.* Co-founder, with Masaru Ibuka, of Sony, Akio Morita revolutionized video with his ability to predict the kinds of products people would find irresistible. Morita's drive to sell innovative products smaller and more convenient than most people could imagine led to pocket TVs, Beta VCRs, miniature camcorders, 8mm videotape and palm-size TVCRs. "Our plan is to lead the public with new products rather than ask them what kind of products they want," Morita once wrote. "The public does not know what is possible."

ANDRE BLAY — *Movies for the Masses.* When VCRs arrived, no one knew how much money Hollywood might lose from people taping movies off the air. The studios feared it would be a lot. Andre Blay disagreed. An audio/video equipment distributor from Michigan, Blay bet he could make money by selling prerecorded tapes. In 1977, he cut a deal to sell the first big batch of Hollywood movies on video—50 films, ranging from *The French Connection* to *The Sound of Music*. Blay's success was immediate. Twentieth Century Fox bought him out a year later. Hollywood had learned its lesson, and a vast new business was born.

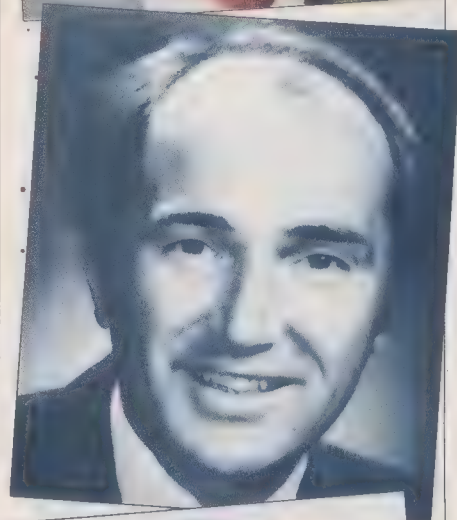
GEORGE ATKINSON — *A Nation of Renters.* If anyone can be credited with inventing the video rental store, it's George Atkinson. When Andre Blay released his pioneering line of movies, all anyone could do was buy

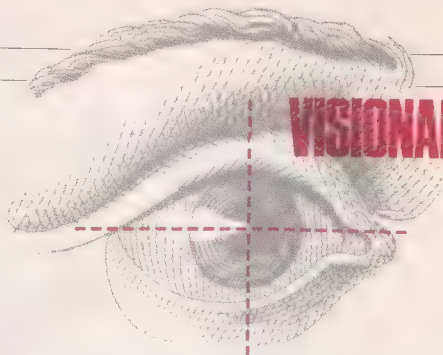
them. Atkinson, who was already renting Super-8 movies complete with projectors and screens, realized it would be easier to make money by renting videotapes. After all, they were so much more portable. His Video Station rental stores attracted a lot of customers, franchise buyers and imitators. For better or worse, Atkinson also pioneered another staple of video's early years: the video store membership fee.

KEN KAI — *Keeper of the Flame.* The future looked bleak for laserdisc in the early '80s. IBM and MCA, which had teamed up to sell DiscoVision discs in the U.S., had bailed out of the business. RCA's rival CED system, on its way to extinction, was dragging laserdiscs with it as customers confused the two formats. Ken Kai, head of Pioneer Video, kept the faith. He refused to let laserdiscs die despite a widespread belief that the format held little commercial promise. Kai took over the DiscoVision plant, started the Pioneer Artists label to lure music buffs, introduced a combination laserdisc/CD player and expanded the laserdisc's presence in stores. "I spent \$56 million of Pioneer's money," recalls Kai. "Pioneer let me do anything—everything—I wanted to do."

STUART KARL — *Good Health on Tape.* A young man in a hurry, Stuart Karl dropped out of college to found a magazine at age 19. Five publications later, at the helm of the first video store trade journal, Karl decided the culture of video desperately needed programs other than movies. Following his wife's advice, he persuaded Jane Fonda to star in a video spinoff of her exercise book. The staggering success of *Jane Fonda's Workout*—and its spinoffs—opened the floodgate for exercise tapes and non-fiction videos.

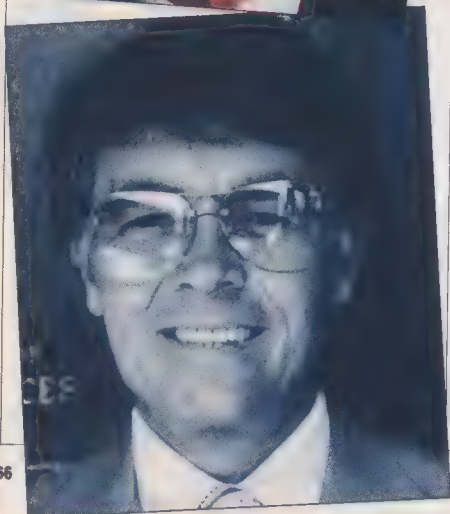
BOB STEIN — *Romancing the Laserdisc.* A movie on tape is still just a movie, but on laserdisc—well, it's an experience. Laser editions have come to include audio-track commentary, outtakes, production stills, storyboards and other materials that make movie watchers feel like movie scholars. Bob Stein was the first video producer to exploit the technical potential of laserdisc by adding such materials. Starting in 1984 with landmark editions of *King Kong* and *Citizen Kane*, Stein changed the laser-





Making a Difference:

From the top, laserdisc savior Ken Kai, special-interest programmer Stuart Karl, Blockbuster's H. Wayne Huizenga and rental store inventor George Atkinson.



disc landscape. Since then, Stein's Voyager Co. has built its Criterion Collection of films into the laser equivalent of the Harvard Classics.

H. WAYNE HUIZENGA — *The McDonald's of Video.* If you haven't rented a movie from H. Wayne Huizenga, you probably don't watch many. But then, not too long ago, neither did H. Wayne Huizenga, an entrepreneur who'd already made a fortune in the garbage hauling business. In 1987, when Huizenga didn't even own a VCR, all he knew about video was that a Texan named David P. Cook owned a video rental franchise. But his shrewd eye for business saw an opportunity in Cook's spacious, uniform, well-stocked Blockbuster stores. Huizenga bought into Blockbuster and soon replaced Cook as chairman. Then he set about aggressively expanding Blockbuster's 19 outlets into the nation's largest video chain, a vast empire of more than 3,100 stores in 10 countries.

RAY DOLBY — *Audio as It Ought To Be.* If home theater sound has a name, it's Dolby. Ray Dolby seems predestined to have left a mark on home video. After all, at 19 he joined the team at Ampex that developed the first practical videotape recorder. He followed this success with a series of innovations that raised the world's sonic standards. Dolby's noise-reduction systems banned hisses from home and professional recordings. In the early '70s, Ioan Allen, vice president of marketing for Dolby Laboratories, perfected Dolby Stereo for theaters, a system that has trickled down to home video enthusiasts as Dolby Surround and Dolby Pro-Logic, sound processes that help movies jump off the home screen and into your head.

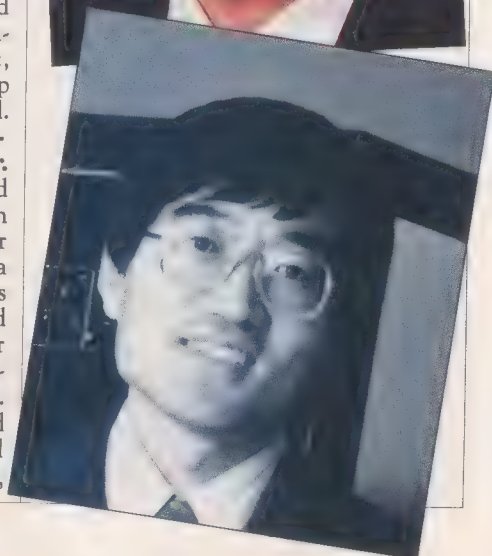
TAKASHI KONO — *The Incredible Shrinking Camcorder.* No one really knew how small you could make a camcorder until 1989, when Sony introduced a tiny 8mm camcorder by dramatically pulling it from behind a VHS videocassette at a packed press conference. The CCD-TR5 proved camcorders could be radically smaller than most believed, and strongly influenced the course of camcorder design. Chief engineer Takashi Kono initiated the project and led a team that included Yuji Morimiya, who designed the TR5,

through a crash program to miniaturize more than 2,000 parts. The goal: a camcorder one-quarter the size of Sony's existing models.

YVES FAROUDJA — *Signal Achievements.* For the past two decades, no one has labored harder or more successfully to improve the quality of the standard U.S. TV picture than Yves Faroudja, president of Faroudja Laboratories. Through technology licensed to video equipment makers, Faroudja has reduced such video signal problems as dot crawl and chrominance/luminance interference. Every time you use an HQ VCR or a camcorder that's Hi8 or S-VHS, you're putting Faroudja's patents to work.

continued on page 82

Top Techs: NTSC perfectionist Yves Faroudja (below) and HDTV pioneer Woo Hyun Paik (bottom).



PIONEER'S WIDE RECEIVER

PIONEER'S NEW LINE OF CINEMA-WIDE REAR PROJECTION TELEVISIONS LET YOU SEE MORE OF WHAT YOU'VE BEEN MISSING.

WIDESCREEN TELEVISIONS are poised to make a strong entrance into the home theater market — their theater-like aspect ratio is sure to please home theater lovers trying to achieve the full cinematic effect at home.

Pioneer's new entries into the rear projection widescreen market, including the SD-P5073K, make it easy to accomplish this feat, while letting you see more scenic information than you ever knew was there on video. What sets Pioneer's models apart from other widescreen televisions is their aspect ratio — while all other widescreen TVs are boasting about their expanded 16:9 ratio, Pioneer's units use a 16:10.7 ratio. The 16:10.7 ratio makes the screen less rectangular, providing both more 4:3 information as well as a wider picture on all sources.

This unique aspect ratio is achieved by making the most of the overscanned material, which places the actual edges of the images beyond the visible edges of the screen. All televisions are designed to overscan somewhat — in fact, conventional TVs can overscan as much as 20 percent. A high-quality TV generally overscans at 10 percent, but Pioneer's "cinema-wide" rear projection televisions overscan at a mere 5 percent — making the most of the overscanned material and, thus, creating the 16:10.7 aspect ratio.

The advantages to this aspect ratio become apparent when you use the features that are included on most of the cinema-wide models. One of the best examples is the digital zoom feature. Digital zoom gives you the option of watching programs in either a normal or full-cinema mode. The normal mode maintains the normal aspect ratio, while the full-cinema mode expands the vertical picture information to fill the screen. With most 16:9 televisions, expanding a standard 4:3 image looks unnatural, but the Pioneer 16:10.7 models use digital and analog effects to expand an image while maintaining correct geometric shapes at the center of the screen, so the image has no noticeable stretching. Plus,

the 16:10.7 ratio already gives you more picture, so the image is stretched less.

When a letterboxed image is expanded, the distracting black bars on the top and bottom of the image are removed. And since not all widescreen movies have the same aspect ratio, the Pioneer models allow them to be changed with the touch of a button, maximizing the image area on the 16:10.7 screen. A 1:78:1 aspect ratio will virtually fill the screen; a 1:85:1 ratio produces slight matting on the top and bottom of the screen; and a 2:35:1 ratio will also produce slight matting.

Now that you are seeing more of what was originally recorded, Pioneer's cinema-wide televisions give you a number of features to further enhance the full picture. Among these features is a super gradation circuit that provides two viewing modes,

Cinema mode 1 and Cinema mode 2, that alter on-screen images depending on their contrast settings. Cinema mode 1 will lower the contrast when viewing very light pictures and Cinema mode 2 will refine picture detail in darker scenes.

Each of the cinema-wide televisions are equipped with a high-contrast black screen that enhances contrast by 20 percent in highly lit rooms and a short focus lens system that decreases the optical path, allowing for improved image quality and a narrower cabinet. Each television also has multiple picture-in-picture functions that let you divide the screen into four or nine segments for quick channel selection or simultaneous entertainment.

Not only do Pioneer's cinema-wide rear projection televisions give you more of an image to look at, they make the images better to look at as well.



Pioneer's widescreen rear projection TVs use a 16:10.7 aspect ratio.

A videophile's guide to ground-breaking tapes and discs

15 TITLES THAT SHOOK THE WORLD

BY BRUCE EDER

Fifteen years ago, video software was little more than a good idea whose time had not quite come. A few instructional cassettes and adult titles had been released, but the high-quality video entertainment we now take for granted was still a pipe dream. In 1993, our viewing habits are shaped more by our personal tastes and dwindling leisure time than by the format wars and high prices of the early years—virtually anything we want to watch is now readily available, often in enhanced editions few could have imagined at the dawn of the video era.

What follows is our take on 15 milestone releases from the short history of home video—videocassettes and laserdiscs that signaled breakthroughs in content, quality or technology. They raised the art and science of video software to new levels, and their impact can still be felt today.

(OF VIDEO)

Lightning Strikes: Kong fulfilled laser's potential.



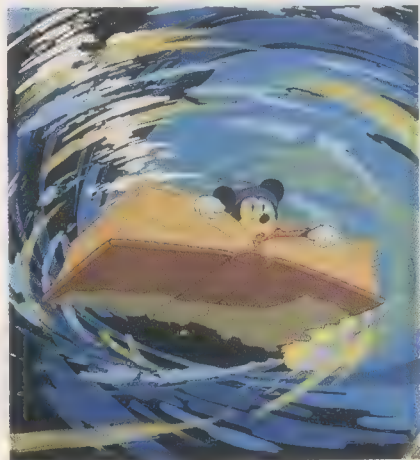
● **The Longest Day (Magnetic Video).** Darryl F. Zanuck's D-Day epic *The Longest Day* was the biggest (and probably the best) of the first group of prerecorded movies released on home video. Along with 49 other 20th Century Fox films released by Magnetic Video Corp. in 1977, *The Longest Day* proved people would pay to see movies on video that they had previously seen for free on television. The notion of watching "what you want, when you want" suddenly seemed an inalienable right. For millions of viewers around the globe, life would never be the same.

● **Jaws (MCA).** The first of director Steven Spielberg's blockbuster hits, *Jaws* also heralded the laserdisc format in its earliest incarnation. Philips' LaserVision system was introduced in 1978, but it wasn't until the *Jaws* disc was released in 1979 that the format left the era of "limited availability" behind. It was a truly daring move for MCA to release *Jaws*

and other beloved films on the "perfect" home format so early—other studios had to be dragged kicking and screaming into the video era.

● **Elephant Parts (Pacific Arts).** Michael Nesmith, once known as the "smart" member of the Monkees—the first rock band created expressly for television—spent the '70s writing, producing and recording before emerging in 1981 with the first long-form music video, called *Elephant Parts*. Piercingly funny and clever, Nesmith's creation consisted of sight gags, sketches and music far more daring than anything the creators of *The Monkees* ever dreamed of. This program has retained its comedic value more than 10 years after its release—and it's surely the only music video of its time still available, on both cassette and laserdisc, in 1993.

● **Rear Window (MCA).** Though *Rear Window* ranks as one of Alfred Hitchcock's greatest achievements, this film—along with *Vertigo*, *The Trouble With Harry*, *Rope* and *The Man Who*



Animated Sales: One out of every three laserdisc buyers purchased Disney's long-awaited *Fantasia*.

Knew Too Much—had long been withdrawn from circulation when the '80s began. All had theatrical re-releases in the early '80s and found their way to home video in 1984. But *Rear Window* makes our pantheon of milestone videos because it turned out to be one of the very last CED videodiscs ever issued.

RCA's videodisc format (see "Against the Odds" for more on CED) was doomed by inferior quality and the



Widescreen Wonder: Released in 1983, Woody Allen's *Manhattan* was the first letterboxed home video.

wear and tear of its needle-based playback system. Philips' laserdisc format became the standard. *Rear Window* serves as a symbol for the end of the first great videodisc format war, but with five-inch discs on the horizon, can another format war be far behind?

● **Star Trek II: The Wrath of Khan (Paramount).** In the early '80s, movies on videocassette typically carried prices between \$59.95 and \$79.95, and sold few copies beyond those bought by the 10,000 to 12,000 video rental stores of the time. Paramount Home Video changed all that when it released *Star Trek II: The Wrath of Khan* at \$39.95 for the Christmas selling season of 1982. Its success proved once and for all that many people did want to own their favorite movies. Three years later, Paramount released *Beverly Hills Cop* at \$29.95, and other companies followed suit with a variety of price-cutting policies. As a result of this trend, home video was transformed into a truly popular—as opposed to elitist—medium.

● **Jane Fonda's Workout (Karl Lorimar).** Before 1982, the few in-

structional videos on the market were dry, restrained affairs crossed over from television with lots of talk and very little demonstration. Enter Jane Fonda: In a partnership with entrepreneur Stuart Karl, she created a video companion to her best-selling workout book and transcended all previous examples of the how-to genre.

Jane Fonda's Workout effectively wedded music, exercise and instruction for the first time, all in a package intended



A Kiss Is Still a Kiss: *Gone With the Wind* has never dipped in popularity on home video despite high list prices.

to be purchased, not rented, despite the introductory price of \$60. The tape was fast and entertaining—so much so that

SHOOK THE WORLD

the image of Fonda leading her exercise class finally eclipsed her earlier guise as a political radical, something that 10 years of good performances and occasional hit movies had failed to do.

● **Manhattan (MGM/UA).** Until Woody Allen's *Manhattan* came out on cassette in 1983, all widescreen movies were panned and scanned to fit the relatively square shape of televisions. As the first letterboxed release, *Manhattan* changed that convention for good. The contract under which the movie was distributed gave Allen control over its video presentation, and he rightfully demanded that cinematographer Gordon Willis' dazzling black-and-white

Crowd-Pleasers: *Star Trek II: The Wrath of Khan* broke the video price barrier, while *The Prisoner* (bottom) proved the viability of series TV on video.



Panavision images be presented intact.

MGM/UA wasn't thrilled with the idea of releasing a cassette with blue bars across the top and bottom of the screen — black wasn't yet the standard — and a disclaimer on the box all but "blamed" Allen for the odd presentation. Ten years later, it's getting tough to sell a laserdisc that doesn't trumpet "Deluxe Widescreen Edition" on the front of the jacket.

● **The Road Warrior (Warner).** Australian director George Miller's post-apocalyptic combat tale made Mel Gibson a star, but as the first Beta hi-fi release in 1982 — along with *An Officer and a Gentleman* — it deserves a special place in the history of video software. Before Beta hi-fi, sound was the weak link in the video chain. Amid the groaning metal, squealing tires and explosive mayhem of Miller's action classic, it was finally possible to actually feel the movie's action in your home. Even JVC, which had pretty well defeated Beta with its VHS format by this time, sat up and took notice. A VHS hi-fi system would be announced six months later.

● **The Prisoner (MPI).** In 1984, the video software industry was far less comfortable with series TV programming than it is today. Stores didn't have enough room to stock huge multivolume sets, and most viewers didn't feel compelled to demand the video release of favorite shows. But MPI Home Video



Early Risers: *The Road Warrior* (top) was the first videocassette with hi-fi sound. *Wings* (center) was the first laserdisc with digital sound, and the 1979 DiscoVision *Jaws* disc (bottom) put the laser format on the map.

proved the public would jump at the chance to collect a complete series on cassette as long as it was the right series. The breakthrough program was *The Prisoner*, Patrick McGooohan's cultish late-'60s take on the secret agent genre.

Paramount later took the cue and released all the original *Star Trek* episodes on tape and disc, and is now working its way through *The Next Generation*.

continued on page 82

JVC RANDOM ASSEMBLE EDITING

JVC'S NEW ADVANCEMENT BRINGS EASY EDITING TO THE AVERAGE VIDEO ENTHUSIAST.



JVC camcorders like the GR-AX75 (left), GR-AX55 (center), and GR-SZ1U use random assemble editing to make better videos.

WITH NEARLY 20 percent of American households owning a camcorder, many amateur videographers have hit the streets and are shooting a magnitude of events and memories in the making. Of course, shooting footage is only half the fun. The other half is, or should be, watching the videos after the occasion.

Unfortunately, many home videos go unwatched or are viewed only once before being shelved for eternity. The answer to this problem lies in editing, but this can be a costly and complex solution — or at least it was in the past.

JVC, the inventor of the VHS format as well as its offsprings — Compact VHS and Super VHS — has added an exciting new feature to its long list of format developments. Many of its Compact VHS and Super VHS camcorders now come with Random Assemble Editing, which lets you use a camcorder and VCR to assemble the scenes in whatever order you determine, eliminating the bad and embarrassing shots with minimum effort. The result is a far more watchable video that you will proudly show again and again. The feature is also exclusively available on the full line of JVC VCRs.

Hook up is simple, requiring only one additional cable than normal camcorder-to-VCR attachment. The extra cable, called a Pause In, attaches directly to the VCR or, if the VCR does not have an available input, directly to the included remote control. JVC Random Assemble Editing is compatible with 17 other brands of VCRs.

To start the editing process, press the On/Off button on the remote. Once done,

you will see an on-screen display of the numbers 1 through 8. These numbers represent the number of edits that can be arranged. Find the location where you want your tape to begin and press the In/Out button. The numbers from the counter appear next to the number 1. Continue forward until you find the point where you would like the scene to end and hit the In/Out button once again. A second set of timer numbers appear next to the first. Repeat this process until all the scenes you want — up to eight — are included. Then hit the VCR Rec Stby button and the Edit button on the camcorder and watch the show.

What you will see on your monitor is the camcorder fast forwarding or rewinding to the first timer number on your edit list. Once there, the camcorder will pre-roll, which means it will go back five more seconds before beginning to

play. This makes sure that the video is up to speed before recording begins at the precise moment you specified earlier. It continues until the timer reaches the out point that was also already specified. With the first edit completed, the camcorder will fast forward or rewind to the next edit point and start the process all over again. It will continue to do this until all edits have been completed. Then you can either assign more edit ins and outs or just enjoy your final production.

Most importantly, Random Assemble Editing does not alter the original master tape, so if you make a mistake or want to redo it, just repeat the steps mentioned above.

By using Random Assemble Editing, you can make sure that the creative process doesn't end when the shooting is over. It helps you make videos that your family and friends will even want to watch.

REWIND

JVC has been responsible for the introduction and development of the popular VHS format as well as its offsprings — S-VHS and S-VHS-C. Here's a quick look at the major innovations JVC has accomplished with VHS technology over the years.

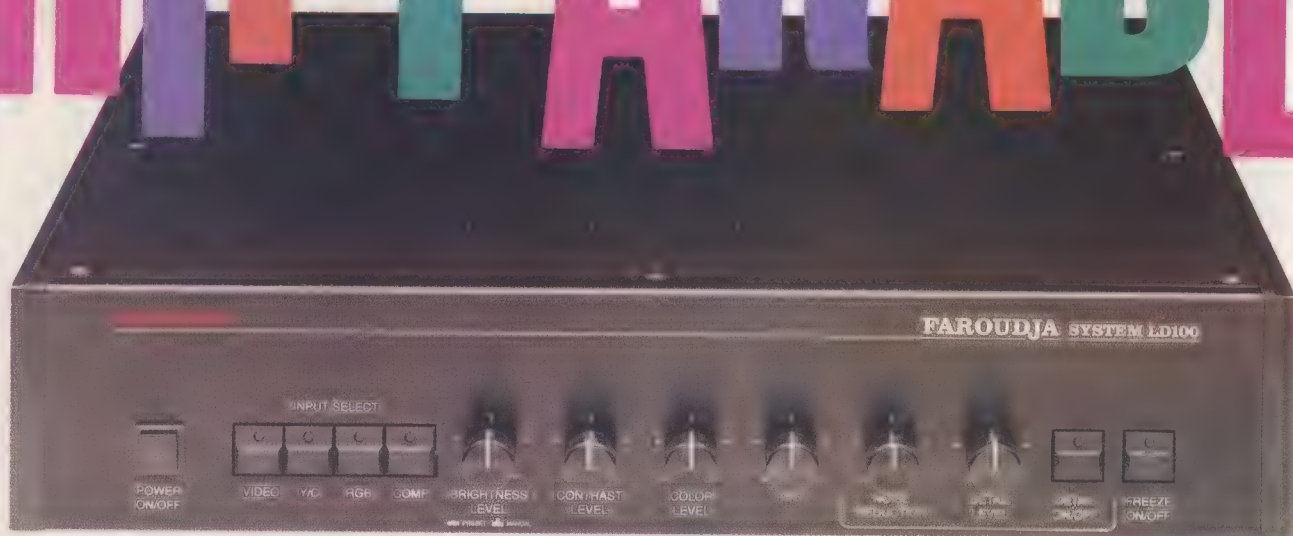
- | | |
|-------------|--|
| 1976 | FIRST VHS VCR INTRODUCED |
| 1979 | FIRST PORTABLE VHS VIDEO SYSTEM INTRODUCED |
| 1982 | FIRST COMPACT VHS CAMCORDER INTRODUCED |
| 1983 | FIRST HI-FI VHS VCR INTRODUCED |
| 1987 | FIRST S-VHS VCR INTRODUCED |
| | FIRST S-VHS CAMCORDER INTRODUCED |
| 1989 | FIRST S-VHS CAMCORDER WITH HI-FI AUDIO INTRODUCED |
| 1990 | ANNOUNCEMENT OF S-VHS PCM AUDIO FORMAT |



BY BRENT BUTTERWORTH

Home-Tech

HIT PARADE



Top of the Line: Most videophiles consider the filmlike picture produced by Faroudja's \$15,000 LD-100 line doubler the ultimate in NTSC video.

15 exciting products no videophile should have to live without

When *Video Magazine* began 15 years ago, you couldn't buy a big-screen TV. You couldn't buy a hi-fi VCR. You couldn't buy a Hi8 camcorder, or a laser-disc player with digital sound. If you wanted a surround-sound system, the best you could do was to pick up an old quad setup at a garage sale.

Thankfully, times have changed. Nowadays, if you want it, you got it (assuming you can afford it). You can buy video projectors that fool you into thinking you're watching film. VCRs and camcorders that beat the ones pros used back in 1978. Surround-sound systems that blow away those you'll find in most movie theaters.

How good are they? In honor of *Video Magazine's* 15th year, we've rounded up 15 of today's most exciting, essential video products—a mixed bag of person-

al favorites and ground-breaking gear destined to set tomorrow's performance standards. Any of these will make you the envy of fellow videophiles—and maybe even non-videophiles, too.

B&W THX SPEAKER SYSTEM

We love THX systems—as long as they're confined to the *Video Magazine* home theater testing room. Face it, most THX speakers can make many real living rooms look like Stonehenge. However, the new B&W THX system solves this problem easily. It's an *objet d'art* worthy of display next to the coolest sculptures. Like other THX systems, it sounds great on movie soundtracks. With three tweeters instead of two, it sounds more airy than most THX systems we've tried. We've heard its music sound is pretty good, too—not surprising, because it

uses the same drivers as B&W's legendary 800-series speakers.

FAST ELECTRONICS VIDEO MACHINE

Desktop video has always promised an all-in-one solution, a machine that will do everything a video editor needs to do. Many have attempted this, but Fast Electronics may be the first to deliver. The \$3,995 Video Machine, available in IBM PC and Macintosh versions, acts as a six-input video switcher, an eight-channel audio mixer and an edit controller. It works with a wide variety of VCRs and camcorders (including LANC-compatible machines). Just drag the video segments, graphics and titles you need up to the Video Machine's timeline, add the scene transitions and audio cues, and let the machine do the rest.



Sonic Sculptures: B&W's THX speaker system combines THX power handling and performance with stylish designs that complement modern living rooms.

FAROUDJA LD-100 LINE DOUBLER

There'll probably never be a perfect video product, but the LD-100 is the closest we've seen. It doubles the apparent vertical resolution of a picture, eliminating the scan lines (and most of the artifacts) that plague NTSC. Hook it up to a good data-grade projector and you'll get a picture that looks so much like film you won't believe it. Faroudja often demonstrates the LD-100 with a small multiscan computer monitor, resulting in the most lifelike video we've ever seen—it looks like 3-D!

lora's silky-smooth operation takes every last vibration out of your camera moves, and its sturdy, pro-style legs keep it steady even in strong winds.

SONY CCD-VX3 Hi8 CAMCORDER

This camcorder has grabbed so much attention, you may be tired of hearing about it, especially if you can't afford the hefty \$3,800 price. But it deserves all the acclaim and more—there's simply never been such a great consumer camcorder. Its three-CCD design gives it unprecedented picture quality,

and its exhaustive collection of manual features lets you shoot great pictures in almost any situation. And it has RC time code, the most accurate consumer editing protocol there is. Unfortunately, Sony remains stingy with this feature—if you want a camcorder with RC, better save your pennies, because the VX3 is your only choice.

CELLO 53-INCH REAR-PROJECTION TV

High-end video projectors with line doublers are great until you turn on the lights and the picture washes out. Cello's new 53-inch rear-projection set combines high-end picture quality with a screen you can view in normal room light. Inside, you'll find the guts of an Ampro data-grade projector that accepts signals from a line doubler. When we saw the set connected to a Faroudja LD-100 at Cello's New York City show-



**Wonders of the
Video World:**
Crestron's SmarTouch
programmable system re-
mote (left) and Pana-
sonic's WJ-MX30 audio/
video mixer (below).

BILORA TRIPOD

Most home videographers consider tripods a commodity item—all they have to do is hold up your camcorder, right? But once you've tried a good one like Bilora's Pro 930, you can never go back to those cheap plastic jobs. The Bi-



HIT PARADE

room, we thought it was the best rear-projection picture we'd ever seen. The \$10,000 price is reasonable when you consider that the least expensive data-grade projector costs \$8,000.

AG-1970 bucks that trend by offering every editing feature you need and then some. It's compatible with countless edit controllers and desktop video products. And the picture quality is awesome!



Home Theater Hotshots: Counterpoint's Home Cinema high-end electronics line (top) includes a Dolby Pro-Logic decoder, a video switcher and a preamp/controller. Custom Woodwork and Design's Hide-A-Way home theater cabinet (above) houses B&W's THX speaker system and a projection screen.

PANASONIC AG-1970 S-VHS VCR

Three years ago, the market was packed with great editing VCRs like Toshiba's SVF-990, Sony's SLV-R5 and JVC's HR-S10000. No more. Most major manufacturers have stripped their S-VHS decks of editing essentials like video dub and jog/shuttle dials. The

CRESTRON SMARTOUCH UNIVERSAL REMOTE

Behind most automated A/V systems lies a nightmarish tangle of wires. The SmarTouch takes a different, more graceful approach. It's like the ultimate programmable remote—its touch-sensitive LCD panel lets you create your own control layouts. You can program in key

sequences that let you fire up your system or change from two-channel stereo to full-blown home theater at a touch. If you can imagine it, the SmarTouch can probably do it.

AUTODESK 3D STUDIO

I could easily spend a week in the basement with this very expensive (about \$3,000) 3-D animation software for IBM PCs. The power of its animation and graphics tools is staggering. It offers an easy-to-use interface, with a new set of highly realistic object textures. You can render 24-bit, high-resolution animations to tape if you have a VCR that records single frames. But let's face it—you don't. So like me, you'll settle for rendering 3D Studio's very attractive eight-bit graphics straight to your hard drive, and (if you have an NTSC video card) recording them on any VCR.

COUNTERPOINT HOME CINEMA ELECTRONICS

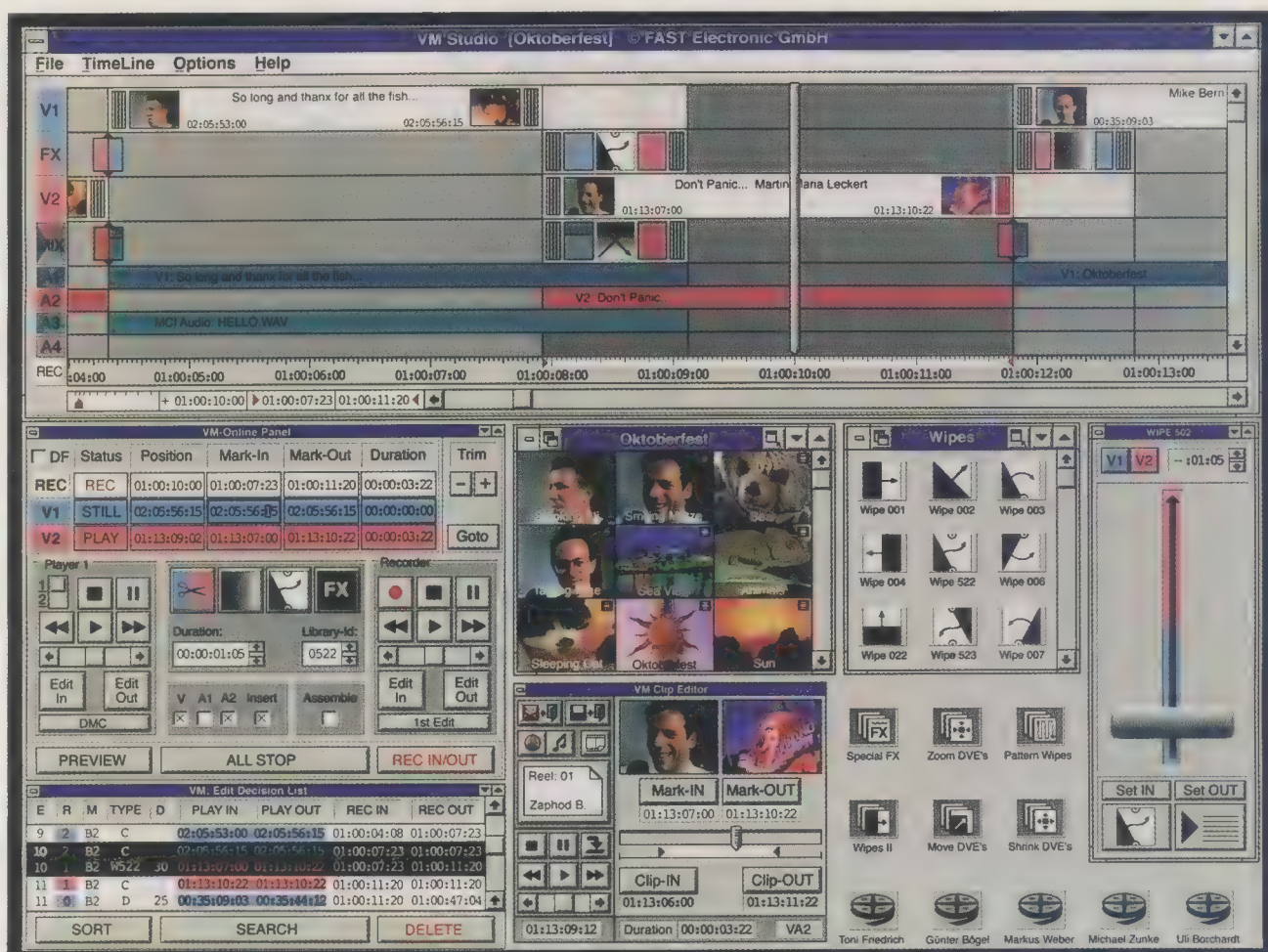
Most *Video Magazine* staffers are audiophiles as well as videophiles, so we're always looking for ways to work the high-end audio components we love into home theater setups. Counterpoint, an esteemed manufacturer of high-end electronics and speakers, makes this easy with its Home Cinema line—a Dolby Pro-Logic decoder, an audio preamp/controller and a video switcher. They should sound just as good on a Lyle Lovett CD as they will on *Jurassic Park*.

RUNCO SUPER 900 IDTV VIDEO PROJECTOR

Runco threw down the gauntlet two years ago when it introduced its Super IDTV projector, line doubler and aspect-ratio controller: finally, a set laser-disc fanatics could optimize for any framing the director chose. The Super 900, Runco's new top-of-the-line model, has the aspect-ratio controller built in. Where noisy letterbox bars would normally appear, the Super 900 simply shuts off its electron guns, giving the screen a true black bar.

PIONEER CLD-97 COMBI PLAYER

We've always had a love/hate relationship with combi players. We love the picture produced by many inexpen-



Desktop Video Valhalla: Fast Electronics' Video Machine performs digital video effects, audio mixing and edit control from a graphic timeline.

sive analog machines, but hate not being able to freeze the picture on CLVs. We love the digital effects on more expensive players, but hate the artifacts that often accompany them. But the CLD-97 seems to do everything perfectly. It offers a pristine picture, every feature you can imagine, and sound that beats many of the audiophile CD players and D/A converters we've tried.

CUSTOM WOODWORK AND DESIGN HIDE-A-WAY CABINET

Sure, good A/V gear can turn your living room into a theater. But all too often, that same gear also turns your room into an esthetic nightmare. CWD has the perfect solution in its Hide-A-Way home theater cabinet, which conceals three B&W THX front speakers in a wall unit even the most design-conscious spouse wouldn't object to. A front-projection screen rises from the back.

PANASONIC WJ-MX30 VIDEO MIXER

Ever since we acquired Panasonic's WJ-AVE5 video mixer, we've used it for

almost every video we've edited. With its wipes, dissolves, digital effects, luminance keyer, audio mixer and back-



Mighty Meter: The Realistic sound pressure level meter is an invaluable aid for audio tweekers.

ground color generator, it's the Swiss Army knife of video editing. The WJ-MX30 goes even further by improving picture quality and adding a much more versatile keying system, gradient and multicolor backgrounds, automated audio mixing, external triggering and a sturdy, smooth T-bar to replace the WJ-AVE5's scratchy slider.

REALISTIC SOUND PRESSURE LEVEL METER

If you're a home theater enthusiast and you don't have one of these, drop by Radio Shack and get one now! For a mere \$31.95, this instrument will help you perform all sorts of useful analyses for tweaking your system. Use it to perfectly balance your Pro-Logic system. Or sort out speaker placement and room acoustics problems by monitoring the swept tones from a test CD. Find out how low that subwoofer *really* goes. And after you're done testing your system, you'll probably want to measure the decibel level of everything you can think of, like jet engines or your neighbor's outrageous car stereo. Or just see how loud you can yell!

THE NEXT



15 YEARS



Innovation hits the fast lane—15 trends and technologies that will shake up video

In the last 15 years, most of the inventions that allow ordinary people to record, shoot and edit their own videos were either developed, perfected or rendered affordable. In the next 15 years, these processes will be applied to the distribution of video to homes, businesses and institutions on a scale not seen since the early years of television.

Video technology is exploding in a dozen directions at once, and while we can't predict the next video generation's winners and losers, some key changes are becoming clear. Here are 15 trends and technologies that are going to shake up the world of video as you know it.

● **Digital technology.** Video handicappers rate the transition from analog to digital technology as the most important video trend of the decade. With the advent of cheaper, stronger computers, the tilt toward digital HDTV and the quickening pace of technology alliances, the

digital locomotive is gaining speed. Digital technology will make itself felt in both new components and products. "Within five years all television will be digital and your TV set will be a computer," predicts Andrew Lippman, assistant director of the MIT Media Lab, a leading incubator of future technologies. Digital TV, in the Media Lab's view, promises better pictures than analog technology and an end to the annoying picture artifacts and interference that plague today's sets. VCRs will also be digital. New digital VCR formats are already being designed to record both NTSC and HDTV signals.

● **Data compression.** The esoteric art of data compression holds the key to a variety of other promising technologies, including HDTV, high-quality movie CDs, small-dish satellite broadcasts, vast numbers of cable channels and interactive programs. Compression technology uses the language of the computer—combinations of ones and zeros—to pack or transmit vastly increased amounts of video and audio information into and through existing video delivery systems. Scientists have already made great strides in learning to squeeze signal information, but the evidence suggests greater breakthroughs await.

● **Converging media.** The convergence of previously separate communication media is already beginning to trigger changes that could fundamentally shake up American society. New electronic routes into and out of the home will change the ways we use, pay for and relate to entertainment services on a scale not seen since the early days of television. With phone companies exploring video services, defense companies launching TV satellites and cable companies planning phone services, the barriers between traditional industries are shifting and disintegrating. Apple



Expanding Landscape: Left to right: Zenith engineers perfect flat-faced monitor, video window adds immediacy to CD-based *Earth Command* game, the ever more critical microchip, prototype of Sharp's handheld "digital assistant," spool of fiber-optic communications cable and MIT's Media Lab.

MICROCHIP PHOTO: THEPHOTOFILE/TOM TRACY

Computer Chairman John Sculley refers to this process as "an isoquant shift," comparable in impact to the invention of the telephone or the steam engine.

• **The information highway.** Combining fiber-optic and coaxial cable technologies, this futuristic plan is already moving from corporate drawing boards into the real world. The goal is a system that seamlessly merges entertainment TV, computer and business transmissions into the same digital broadband network that handles long-distance phone calls, news delivery and home security services. Experts predict the information highway will generate more than \$3 trillion in annual revenue by 2001.

• **Digital audio.** As video moves into the digital domain, so will soundtracks. More than a decade after the birth of the CD, few American TV viewers have experienced true digital audio soundtracks with their video images. Much TV sound is still dismal. New digital sound technologies will dramatically enhance music programming for television. One example is Dolby's AC-3 system, a digital version of Dolby Stereo with stereo surround channels.

• **Small-dish satellite TV.** We won't

have to wait 15 years for direct-broadcast satellites. DirecTV, a subsidiary of Hughes Communications, will launch the first of two high-power birds this December and begin broadcasting next spring. The new video service, the largest network launch in history, will offer serious competition to the cable industry. Any home in the continental U.S. will be able to receive DirecTV's 150 channels of entertainment programs, movies, sporting events and special-interest shows. An 18-inch satellite antenna and decoder, for about \$700, will put a viewer in business.

• **Thin-wire TV.** The phone industry is discovering that its existing twisted-pair wire system, which descends in a straight technological line from the days of Alexander Graham Bell, can be coaxed to transmit video programs. The process of sending video signals over standard copper wire is known as thin-wire TV.

Thin-wire TV is the first step for ambitious phone companies seeking to free themselves from the shackles of government regulation. These companies want to build their own digital information highways. The Bell Atlantic Corp.,

based in Philadelphia, has taken an early lead among phone companies by forming Bell Atlantic Video Services, which is dedicated to constructing interactive networks that combine video, information and telephone services. The Chicago-based Ameritech company is also planning an ambitious expansion along these lines.

• **Interactive cable TV.** The cable industry plans to take the lead in creating two-way, interactive video services. Tele-Communications Inc., the nation's largest cable operator, has announced a \$2 billion program to lay fiber-optic cable in more than 400 communities around the country by 1996. TCI also says it will spend \$200 million to launch up to 60 new digital TV services, many interactive, to a million homes in the next two years, using digital compression technology created by General Instrument and AT&T.

Not to be outdone, Time Warner, the world's largest media and entertainment company, plans to build a fully interactive, two-way cable network for 4,000 subscribers in Orlando, Florida, by early next year. The system promises an unlimited menu of programs and inter-

FOR BETTER SOUND IN ALL YOUR VIDEOS... CHOOSE NADY!

NEW!



Nady 351 VR
Wireless Mic System

Nady always offers the best performance and price. We sell more wireless microphones than all other brands combined—proof of Nady's unsurpassed quality.

Now we're introducing more camcorder accessories to make your videos sound better than ever. And every one of them is affordably priced. See them at your Nady dealer today!



49 VR
Wireless Video Mic



151 VR
Wireless Video Microphone



MCM-400
Real Time Camcorder Audio Mixer



SBM-500
Stereo Camcorder Mic



AVM-300X
Stereo A/V Mixer with Video Fade



551 VR
Two Channel Wireless Video Mic



VCM-100
Camcorder Boom Microphone



VLM-770
Remote Powered Lavalier Mic



NADY SYSTEMS, INC.
6701 Bay Street
Emeryville, CA 94608
510/652-2411
Fax: 510/652-5075

The Best Performance and Price in Video Camcorder Accessories

SHARPER IMAGE FROM SHARP

SHARP'S VIEWCAMS BRING THE BIG SCREEN TO THE BACK OF A CAMCORDER.

ALL CAMCORDER users are aware of the fatigue and discomfort involved with squinting through a 1-inch eyepiece — not to mention the annoyance of missing everything that occurs outside the 1-inch world. Apparently the designers at Sharp are camcorder users themselves because they have recognized this common problem and have found a solution — the ViewCam camcorder line.

Each model in the ViewCam series has features you expect from higher-end models, but what really sets the ViewCams apart is an innovative 4-inch color LCD on the back of the unit that acts as a super-sized viewfinder. No more squinting and no more missing the action. Simply hold the camcorder a comfortable distance from your body and shoot.

The anti-glare color LCD features on-screen displays and allows the user to see everything they've shot quickly and clearly

in full color. The ViewCam can also accept external sources, so it can act as a monitor for prerecorded 8mm tapes or it even can be attached to a VHS camcorder or VCR.

Camera work is simple. The ViewCam lens and viewscreen rotate 270 degrees and the LCD image inverts automatically when the lens is flipped upside down, allowing ViewCam users to see themselves right-side up.

Among the many features offered on all three ViewCam models are "Digital Still Snap Shot," which freezes the frame for five seconds, and an 8x power zoom. For better images, the ViewCams include neuro auto exposure, digital auto white balance, full-range auto focus, flying erase head, and a high-speed electronic shutter.

The three ViewCam models include the VL-HL100U, the VL-E40U, and the VL-E30U. The top-of-the-line VL-HL100U is a Hi8 unit that includes Hi-

Fi stereo recording and electronic image stabilization. The VL-E40U is an 8mm version of the VL-HL100U, and, although it does not have the Hi-Fi stereo recording capabilities, it adds 16:9 widescreen recording to the feature mix. The VL-HL30U is also an 8mm model with 16:9 recording capabilities, but this model features a slightly smaller 3-inch LCD viewfinder.

With their ViewCam line of camcorders, Sharp has revolutionized the look and capability of the camcorder. They have broken with the traditional size and shape and have addressed the real working needs of today's videographer. Most importantly, they have now built an entire line of ViewCams that fits any budget and shooting style.

You'll be seeing a lot of them being used this Christmas season — and you'll finally be able to see the faces of those who are using them.



With their ViewCam line of camcorders, Sharp has revolutionized the look and capability of the camcorder.

IMPROVE YOUR IMAGE

3 Year
Warranty



Q: Why put up with poor picture quality caused by copy protection schemes when the **American made INTELESTAR VS-400** can cure-all?

A: Purchase a high quality **INTELESTAR VS-400** video stabilizer offering the following:

Durable slim-line metal casing
2-year, nine volt battery
Gold plated cables
Made in U.S.A.
Copy any tape!

Only \$59.95

The INTELESTAR VS-400 will allow you to make legitimate copies of pre-recorded cassettes using leading edge technology. Additionally, the INTELESTAR will purify your video signal by removing undesirable noise and distorted images caused by the copy guard on your pre-recorded tapes.

VISTA
INTERNATIONAL, INC.

602-829-8110

800-829-7746

Dealer Inquiries are Welcome!

Master Card, Visa, Money Orders, COD's accepted. Se habla Español. S&H extra. S&H not refundable. We check for stolen credit cards. 1971 E. 5th St., Ste 101, Tempe, Az 85281

active services that can be accessed on demand. If it works, the system will soon be made available elsewhere.

• **Two-way services.** Expect interactivity to transform video from a passive to an active pursuit, at least for those who want it. The screen will communicate with you, and you'll be able to communicate with the screen. How? Almost any way you can think of. New video delivery systems will be counting on consumers to accept such two-way services as movies-on-demand, on-line video-games (with the capability to play the same game in several homes at the same time), home shopping and banking options, and access to educational databases, including on-line medical libraries and encyclopedias. You'll be able to make video phone calls conveniently and send camcorder clips across phone wires to friends, a process known as vid-eofaxing.

• **HDTV.** It's on the way, but still elusive. The major proponents have drawn together in a "grand alliance" to collaborate on a single advanced American broadcast transmission standard. If all goes as planned, high-definition broadcasting could begin in 1995. But don't count on it. Many broadcasters

treat the onset of HDTV with the enthusiasm most of us reserve for root canal treatments. The costs of converting to HDTV will be large, the markets uncertain and the options varied. For example, some broadcasters want to use a new TV channel intended for HDTV to transmit multiple NTSC channels and data services instead. Despite the obstacles, HDTV should become available in a few years. When and how much it will cost is still anyone's guess.

• **Movie CDs.** The race is on to turn the popular five-inch CD into a high-quality storage medium for movies. Paramount will release the first such films later this fall for the CD-I system using an MPEG-1 compression standard. But a more sophisticated compression standard, MPEG-2, is close to completion, and laserdisc-like CDs could be at hand by mid-decade. Once the quality problem is licked, movie CDs stand a good chance of replacing the venerable VHS cassette as a primary movie medium. They're lighter, smaller, more durable and far cheaper to duplicate. There's even a possibility video CDs will have home recording capability as well.

• **Desktop video.** Expect to see complete high-quality video production and postproduction systems become household appliances over the next 15 years. Home computers will offer professional desktop video editing effects as standard features, while consumer camcorders will rival the performance of today's top professional models.

• **Personalized news.** Newspapers, too, are experimenting with electronic delivery and video applications. A group of 17 publishers, including the Gannett, Knight-Ridder and Times Mirror companies, is exploring new ways to use telecommunication systems to get you the news. One project is looking at ways to tailor electronic newspapers to every individual reader's interests. A project at Knight-Ridder is building Hi8 video clips into the newspaper's structure so that a reader scanning a paper, downloaded via cable to the flat screen of his personal digital assistant (a type of handheld computer due later this year), could read a story while watching it illustrated by a video clip.

• **Solid-state recording.** As the next century gets under way, solid-state recording media may begin to supplant magnetic tape as a means of recording video. This could mean we'll see VCRs and camcorders that use large chips to store recorded information, just as some answering machines already store messages, although in a more limited manner. For now, engineers say, solid-state memory chews up too much power for video applications, but a breakthrough in low-energy memory storage is looking

SALE!

17th Year
Anniversary

Panasonic

#1 in
Customer
Service

"CABLE TV BOXES"
CONVERTERS & DESCRAMBLERS
\$5 BELOW WHOLESALE \$5
SAVE MONEY DON'T RENT!

***** OFFICE HOURS *****
MON-FRI 10AM-8PM EST
SAT 12PM-4PM EST

ZENITH PIONEER JERROLD
TOCOM PANASONIC OAK
HAMLIN SCIENTIFIC ATLANTA

* **YOUR ORDER SHIPPED WITHIN 24 HOURS!**
* **30 DAY MONEY BACK GUARANTEE!**
* **QUANTITY DISCOUNTS!**
* **DEALER INQUIRES WELCOME!**
* **1 YEAR WARRANTY! WE SHIP C.O.D.!**
* **WE STAND BEHIND OUR PRODUCTS WHERE OTHERS FAIL!! SORRY NO N.Y. SALES**

FRIENDLY - PROFESSIONAL - SERVICE - SINCE 1975

**** FOR ORDERS ONLY ****

1-800-GO-CABLE

HAVE MAKE & MODEL OF EQUIP. USED IN YOUR AREA.

FOR CATALOG OR INFORMATION

CALL 1-718-886-2000

VISUAL COMMUNICATIONS

20-04 UTOPIA PARKWAY SUITE 238 WHITESTONE, NY 11357
BY PURCHASING CABLE EQUIPMENT FROM VISUAL COMM. THE CUSTOMER
AGREES TO COMPLY WITH THE FEDERAL LAWS REGARDING PRIVATE
OWNERSHIP OF CABLE TV EQUIPMENT. IF YOU ARE UNSURE OF THESE LAWS
CHECK WITH YOUR LOCAL OFFICIALS. ANYONE IMPLYING THEFT OF SERVICE
WILL BE DENIED SALE OF EQUIPMENT.



INNOVATION SPECIALTIES

**YOUR
EXCLUSIVE
NADY
DEALER!**

**NADY VIDEO CAMCORDER ACCESSORIES AT THE LOWEST PRICES!
CALL TOLL FREE!**

1-800-222-8228

FROM JUST \$159.95!

CALL FOR
BEST
PRICING



151 VR WIRELESS VIDEO MICROPHONE

FROM ONLY \$209.95!

NEW!

CALL FOR
BEST
PRICING



**351 VR ULTRA COMPACT
PRO WIRELESS VIDEO MICROPHONE**

**SALE
\$19.95**

NHM-200
Narrator
Headset Monitor



NEW!

SALE \$31.95

VLM-770
Powered Lavalier Microphone



NEW!

SALE \$34.95 SBM-500
Stereo Camcorder Microphone



SALE \$52.95 CTM-600
Normal/Tele Camcorder Microphone

**SALE
\$69.95**

MCM-400
Real Time Camcorder Audio Mixer



NEW!

**SALE
\$99.95**

AVM-300X
Stereo A/V Mixer with Video Fade



**SALE
\$89.95**

WH-90
Wireless Stereo
Headphone System



NEW!

**FROM
ONLY
\$595.95**

551 VR
Two Channel Wireless Video Microphone



**SALE
\$45.95**

VCM-100
Camcorder Boom Microphone



**innovation
specialties**

1145 65TH STREET
OAKLAND, CA 94608



Circle 25 on Reader Service Card.

Add \$5 for shipping and handling per order. Most orders shipped within 48 hours. Special delivery services available. CA residents add applicable sales tax. All prices quoted include manufacturer's standard accessories & U.S. Warranty. Visa and MasterCard accepted. COD, too.

**The Best Price and Performance
in Video Camcorder Accessories!**

very possible in the next few years.

● **Image understanding.** What happens when digital video technology is the present, not the future? Researchers at the MIT Media Lab are exploring a "post-digital" video project they call image understanding. In this futuristic application, an intelligent TV receiver tailors a viewer's program lineup to what the system knows about its subscriber's habits and tastes. This powerful video companion will be able to do everything from construct personalized electronic newspapers to edit the level of violence in action films. "Say I send the word 'animal' to your TV set," explains the Media Lab's Lippman. "In your house this instruction might put a cat on the screen. In my house it might display a dog. The TV will know a little bit about the person who's watching it." ■

VISIONARIES

continued from page 66

WOO HYUN PAIK — Dial 'D' for Digital. On June 1, 1990, General Instrument dropped a video bombshell. Based on the work of a research team

led by Woo Hyun Paik, the company proposed using a digital signal to transmit high-definition TV shows for television's next generation of programs and monitors. Although Zenith had earlier proposed a partly digital signal, no company had been bold enough to fully jet-tison analog NTSC in the quest for HDTV. Paik's work broke the ice. Other digital proposals followed, leading to this year's alliance by a group of HDTV suitors to perfect a digital system the Federal Communications Commission is expected to approve for nationwide use.

GEORGE HOLLIDAY — And Video for All. People used to worry about Big Brother watching their every activity, but George Holliday, the man who taped Los Angeles police officers beating motorist Rodney King, proved that anyone with a camcorder can turn the tables. Holliday's brutal footage precipitated the 1992 trial of the four officers whose acquittals, in turn, sparked rioting in L.A. His action in taping King's arrest is an unforgettable example of the power personal video can give to anyone to influence events. Holliday, who had owned his Sony camcorder two weeks, will be America's most famous videographer for some time to come. ■

15 TITLES

continued on page 70

The 1993 laserdisc boxed sets of the *Twin Peaks* and *Fawlty Towers* series show that interest in series television on video has yet to subside.

● **King Kong (Criterion).** The laserdisc format didn't fully mature until the Voyager Co. released *King Kong*, in 1984. Laserdisc techies working behind the scenes had long understood the format's potential for multiple audio tracks and true interactivity, but *Kong* was the first title to fulfill that promise.

In his running commentary, the late film scholar Ronald Haver addressed the viewer directly, pointing out specific elements of various shots and scenes, while an original supplement mixed text, still images and motion footage into something altogether new. The result was a fundamental change in the way movies were presented on home video, with all kinds of extras *beyond* the movies. This release also anticipated the era of five-inch multimedia discs, which is just beginning to take shape a decade later.

● **David Bowie—Serious Moonlight (Media).** Concert videos had been released before 1984, but none had been produced expressly for home video until David Bowie's *Serious Moonlight*. This ground-breaking release also demonstrated just how far the genre had to go: Its visuals were crude and grainy and the sound left much to be desired. Even so, it opened up the entire video music field to subsequent concert creations by artists as diverse as Prince, Neil Young and Michael Jackson. By the late '80s, video had become the third *audio* format, after CD and cassette.

● **Gone With the Wind (MGM/UA).** Released on cassette in 1985, *Gone With the Wind* established a number of video "firsts." It was the first feature film to get a special, boxed-set release on videocassette, the first to carry a list price as high as \$89.95, and it went on to become the first film on video to receive regular upgrades in mastering quality and packaging.

Most important, however, *Gone With the Wind* is a testament to the value people place on precious video titles. Though its tape price has never dropped—and the laserdisc has been issued three times at prices up to \$150—it has never stopped selling at a fast clip. Several Disney titles can stake similar claims, but Disney accomplishes this feat by limiting availability of top titles, rather than keeping them in release.

● **Wings (Paramount).** Only on home video could a classic silent film become the vehicle for a technological

"Tired of the Same Old Circuit and Products that Belong in a Shack?"

When it comes to Consumer Electronics, HCS has the Brand Names and the Quality You're Looking for at Competitive Prices.

Ask for our  Hoopes Electronics catalogue, which includes:

 **AT&T**  **GRUNDIG**  **Western Electric**
Rowenta  **TDK.**  **INTERPLAK**

Or try our **3M** catalogue, for your blank audio and video cassette needs.

Call today for your **FREE** catalogue:

HCS

Hoopes Catalogue Services

1-800-854-8811

P.O. Box 12520, Scottsdale, AZ 85267-2520

24-hours, 7 days a week

We accept Personal, Cashiers
Cheque, Money Order or



Hoopes

"At Hoopes, We Do It Right The First Time."™

© 1993 Hoopes Enterprises, Inc.

Since 1982
ComputAbility
Consumer Electronics

800-554-9949

P.O. Box 17882 Milwaukee, WI 53217
HOURS: CST M-F 8am-8pm Sat 11am-5pm
FAX: (414) 357-7814

Hi-Fi - Equipment & Laser Disc Players

PIONEER

LaserKaraoke
OTHER MODELS AVAILABLE



JVC

CASSETTE DECKS

TD-V661TN
TD-W709TN
TD-W309

A/V RECEIVERS

RX-509TN
RX-709TN
RX-809TN

CD PLAYERS

XL-M509TN
XL-M409TN
XL-V461TN

Panasonic

- Laser Disc Player
- Advanced digital time base corrector
- Clear visual scan w/ shuttle
- S-video output
- 5-disc compatible

Model!



LX-600
LX-900 also available... CALL for details!

AUDIO SONY PHONES



CFD-445 with CD player

- BOOMBX**
CFS-W470 • CFD-445
WALKMAN
WM-FX24 • WM-FX45
SPORTS WALKMAN
WM-SXF33
DISCMAN
D-220
CAR DISCMAN
D-802K
SPORTS DISCMAN
D-421SP



- SPP-77**
10 channel transmission
SPP-D15
■ line operation
SPP-160
dual rechargeable battery packs
SPP-A60
with answering machine
SPP-95
speaker phone

Panasonic

COLOR VIEW FINDERS

PV-403

PV-503



Palmcorder IQ

IMAGE STABILIZATION
CAMCORDERS

Panasonic

RICOH

PV-43

R-18H

Hi8



SAME AS SONY TR101

Color Viewfinder &
Image Stabilization

SHARP

SONY



Hi8mm Camcorder
4" Color View Screen

Same as TR-101
w/ additional features

AUTHORIZED DEALER

TOSHIBA MINOLTA JVC
KODAK SONY RICOH
Canon Panasonic

NEW MODELS

New!

Canon ES20

LOW PRICE!

- 10X Power Zoom
- 3 mode programming
- 180 flexi grip
- 7 mode high speedshutter
- pop-up light



New!

JVC

SVHS



HR-S4900
VCR plus+

New!

JVC

Audio Dub



HR-S6900
VCR plus+

DEMO'S & CLOSEOUTS LIMITED QUANTITY

CLOSEOUT

- Canon**
UCS3 \$1199
UCS2 \$799
KODAK
PCD270 \$269
MINOLTA
8-848 \$999
Panasonic
KXT2632 \$99
KXT1461 \$51
KXT4300 \$99
PVS62 \$999
PIONEER
CALL
SUNPACK
CV205 \$59

DEMOS

- Canon**
UCS3 \$1099
Panasonic
PVS372 \$999
PVS62 \$999
PV4210 \$229
PV4266 \$379
PV4351 \$269
WJAVE5 \$1099
CT138VY \$299
PIONEER
CALL
MORE MODELS
AVAILABLE!

AMBICO

BAGS

V0421 REGULAR 8MM

V0422 'TR' & C FORMAT

BATTERIES

V0825 SONY 90 MIN

V0816 PANASONIC JVC -VHS-C

V0829 PANASONIC FULL SIZE

V0907 SONY CHARGE / DISCHARGE

TRIPODS

V0542 FLUID HEAD

V0540 FULL SIZE

AZDEN

MICROPHONES

WMS-PRO 2 MIC SYSTEM

WHX-PRO HAND HELD

Canon

HI-8 CAMCORDERS

E520 NEW NEW NEW

UCS2 HI-FI STEREO

UCS3 DIGITAL SPECIAL EFFECTS

A1 DIGITAL DIGITAL SPECIAL EFFECTS

L1 15XZOOM

JVC

CAMCORDERS

GR-AX25U* NEW NEW NEW

GR-AX35U* NEW NEW NEW

GR-AX55U* BUILT IN LIGHT

GR-M7PRO* 11XZOOM

GR-SZU* SUPER VHS-C

*FREE JVC HARD CASE!

JVC

VCR'S

HR-VP604 JOG / SHUTTLE

HR-VP606 VCR PLUS

HR-VP700 TOP OF LINE!

HR-S4700U SUPER VHS

HR-S6800U SUPER VHS

KODAK

PHOTO CD

PCD 270 PHOTO CD

PCD 870 TELE / PAN

PCD 5870 MULTI DISC

MINOLTA

CAMCORDERS

PRO-8-918 2 CHIP HI-8

PRO-8-848 IMAGE STABLE

Panasonic

CAMCORDERS

C-FORMAT

PV-10203 10:1 ZOOM

PV-10303 LIGHT AND REMOTE

PV-10403 COLOR VIEWFINDER

PV-10503 4 HD. STEREO

PV-43 IMAGE STABLE

PV-S63 SUPER VHS

PV-S72 SUPER VHS

FULL SIZE

PV-810 12:1 ZOOM

PV-S770 SUPER VHS

ACCESSORIES

WJAVE3 NEW LOW PRICE!

WJAVE5 A / V MIXER

WJTTLS TITLER

PV-CC50 COLOR CORRECT

VCR'S

PV-4311 4 HEAD

PV-4314 VCR PLUS

PV-4351 4 HEAD HI-FI

PV-4361 HI-FI VCR PLUS

PV-4362 SHUTTLE CONTROL

PV-S4366 SUPER VHS

PV-S4380 BUILT IN TBC

RICOH

CAMCORDERS

R-18H SAME AS TR-101

R-87H SAME AS TR-200

TOSHIBA

VCR'S

M-649 4 HEAD HI-FI

M-659 VCR PLUS C-3

M-758 JOG/SHUTTLE

PROFESSIONAL & DESKTOP VIDEO

SONY

AUTHORIZED DEALER

Sony Business &
Professional

EDITING DECKS

EVO-9500 HI-8 RECORD / PLAY

EVO-9700 HI-8 DUAL DECK

EVO-9800 TIME CODE EDITING

EVO-9850 BUILT IN TBC

SVO-9600 SVHS VCR

SVP-9000 SVHS PLAY ONLY

LASER DISC PLAYERS

MDP-1150 LASER BAR CODE

MONITORS

GVM 13110 NTSC / PAL / RGB

GVM 1316TS TOUCH SCREEN

GVM 2020 20" MULTI SCAN

Panasonic

INDUSTRIAL

CAMCORDERS

AG-455 NEW! NEW! NEW!

EDITING DECKS

AG1970 WITH 2 LINE TBC

AG7650 PLAYER ONLY

AG7750 PLAYER / RECORDER

AGA96 CONTROLLER

AGF700 TIME CODE GENERATOR

MONITORS

1383Y 13" VIDEO MONITOR

1383V 13" WITH TUNER

2083Y 20" VIDEO MONITOR

2083V 20" WITH TUNER

FutureVideo

A/B ROLL EDIT
CONTROL SYSTEM

EDIT LINK 3300

Desktop inter-format A/B Roll edit

controller with RS-232C port, 3

programmable GPI triggers.

Reads Hi8 RC time code.

EDIT LINK 3300/TC

Similar to 3300, also reads

SMPTC time code.

NEW!

SPECIAL PACKAGE

2 - Panasonic AG-1970

1 - Future Video Pro II

with RS-232 interface

2 - Serial 5 Pin Cables

SONY

Hi-8 Computer
Video Deck

Vdeck



- Provides VISCA compatibility
- Records or dubs (RC) time code
- Can record PCM digital audio

Vbox



Provides the key to integrating
video cameras, recorders, and
display devices into the personal
computer environment.

SINCE
1982

- One of Wisconsin's Top 10 Women Owned Businesses
- Corporate, Government & School POs Welcome

TECH: (414) 357-8181



- No extra charge for delivery
- No Extra Charge For Insurance
- No Surcharge for Credit Cards

breakthrough in sound. The first Best Picture Oscar-winner back in 1927-28, *Wings* creaks mercilessly by current standards. But in 1985, Paramount made it the first consumer laserdisc in the U.S. to boast a digital audio track. The soundtrack itself was something of a cheat—*Wings* had received a new score for home video, recorded in 1984. But with the unprecedented sharpness and clarity of its sound, *Wings* marked the dawn of home video's digital era.

● ***Fantasia* (Walt Disney).** *Fantasia* was hardly a box-office success when it first hit theaters in 1940—the public wasn't prepared for the intensity of its sounds and images, or sufficiently comfortable with its classical music score. Fifty-one years later, *Fantasia* broke every sales record there was for home video: 12 million pieces sold on videocassette and an amazing 250,000 laserdiscs—one disc for every three players.

Fantasia worked its way into America's households, launching video collections where none had existed before. It also established the notion of the video release as a work-in-progress, thanks to Disney's announcement that the company would update the film in subsequent releases, adding new sections and delet-

ing others.

● ***Beauty and the Beast* (Walt Disney).** *Fantasia* set the stage for the even greater success of *Beauty and the Beast* in 1992. In a recent civil suit Disney brought against GoodTimes Home Video, it was revealed that *Beauty* sold a mind-boggling 25 million copies, a number many had believed out of reach for any single home video release.

The demand for anything relating to this title was so great, Jean Cocteau's 1946 *Beauty and the Beast* feature suddenly sold an additional 15,000 copies on video last year in Disney's wake. With Disney's *Aladdin*—1992's most successful theatrical release—set for video on October 1, and *Snow White and the Seven Dwarfs* likely to appear on video for the first time in '94, *Beauty*'s extraordinary sales record may not last long. Disney's hold on the viewing public only seems to grow stronger with time. ■

AGAINST

continued from page 63

But Pioneer and Philips persevered, primarily on the strength of LaserVi-

sion's success in Japan. The players themselves had become more reliable with the advent of a solid-state laser pickup. But there was still no compelling reason for most Americans to choose laserdisc over a VCR—until the rise of the compact disc. In September 1984, Pioneer introduced the CLD-900, a machine that could play both movies and CDs.

By 1985, laserdiscs with digital sound began to appear, together with 35-inch monitors, larger rear-projection TVs, hi-fi VCRs and a home version of movie theater audio called Dolby Surround sound. Consumers could now build a miniature movie theater in their homes, and they hungered for top-quality programming material.

At the same time, movie studios, once openly hostile to the home video revolution, began to hire film aficionados to run their nascent and highly profitable home video divisions. These enthusiasts immediately recognized the advantages of laserdiscs. In 1984, the first enthusiast laser-only company, Voyager, released collector's editions of *King Kong* and *Citizen Kane* in its new Criterion Collection series. Both discs included supplementary material and extra

The Easiest Home Video Editor Ever!

It's never been easier!



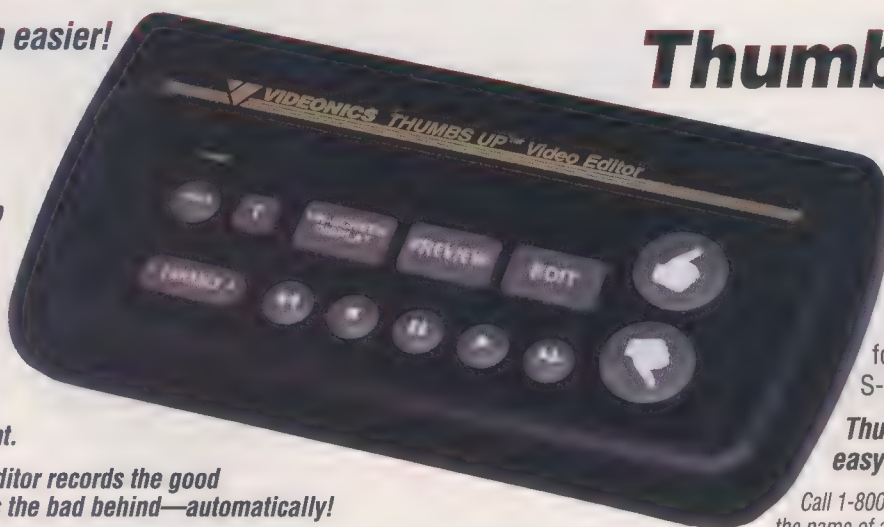
Press Thumbs Up to pick good video,



Thumbs Down for video you don't want.

The Thumbs Up™ editor records the good sections and leaves the bad behind—automatically!

- Works with virtually any VCR and camcorder.
- Compatible with Control-L (found on most 8-mm and Hi8 camcorders) and Panasonic 5-pin edit control for faster, automatic editing.
- Supports Sony-RC and VITC timecodes for superior accuracy.



Thumbs Up™

- Remembers up to 62 scenes.
- Battery-powered* and compact enough to travel with you.
- S-Video connections for full compatibility with S-VHS or Hi8 equipment.

Thumbs Up—low cost and easy-to-use.

Call 1-800-338-EDIT for a brochure and the name of a dealer near you.



1370 Dell Avenue • Campbell, CA • 95008 • 408-866-8300

© 1992 Videonics, Inc. *Also includes an AC power adaptor. Specifications are subject to change without notice. Videonics logo and Thumbs Up are registered trademarks of Videonics, Inc. VHS is a trademark of JVC. Hi8 is a trademark of Sony.

Circle 27 on Reader Service Card.

THE ELECTRONIC MAILBOX

THE VIDEO EDITING & PRODUCTION EXPERTS

800-323-2325

10-12 Charles Street, Glen Cove, NY 11542

IN NY 800-634-1901

For Information 516-759-1611

Fax 516-671-3092



TECHNICAL ADVICE
HOTLINE 516-759-1943
call Phil or Gary



WE ARE HERE TO
SOLVE YOUR
PROBLEMS from hook-up to operation



WE KNOW OUR
STUFF staff of courteous,
informative sales professionals



LARGEST INVENTORY
OF VIDEO ACCESSORIES

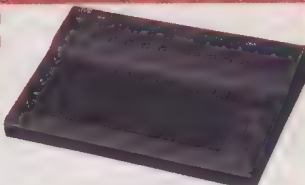
\$50.00

OFF

Any Purchase Of
\$600 or More

JVC

SVHS/Hi8
Color
Character
Generator
JXT88



The world's easiest to use color titler!
• 8 colors/4 sizes • 10 pages memory
• Fade in/out & Scroll title • Standard size keypad
Generates its own title screens for quick & easy title creation.

Also Available: **SALE \$279.00** (reg \$299.00)
NEW JXT66 Compact Character Generator **\$199.00**
JXS-300

Remote Control
A/V S-VHS
Switcher



• 3 S-VHS A/V in & out • Y/C separator
• Video amp. w/800 lines of resolution **Sale \$249.00**



Also Available: JXS900 - Remote Control 7in/7 out A/V
S-VHS Switcher. Includes 2 monitor outputs/2 signal paths.
Sale \$599.00

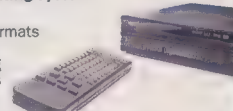
VIDEONICS



EditMaker

Complete home video editing system

- Rearranges scenes
- Works with all VCRs & formats
- Hi8/S-VHS jacks
- Color titling with scrolling
- Color graphics and wipes
- Recommended for 8mm camcorders w/control L.



\$549.00



Equalizer

The World's First DIGITAL
Video Processor

Digital Paintbrush allows you to manipulate the colors in
your videos to get the look of the latest TV commercials and
music videos! Features:

- 3 Channel Audio Mixer • Dual Outputs • Split Screen
- Full Spectrum Color Processor
- Digital Enhancer
- S-VHS Compatible

SALE! \$249.00 (reg \$279.00)

WMS-PRO

AZDEN

Professional VHF
Wireless Microphone
System 250' Range
\$149.00

Includes powerful hand held & tie clip mics
2 frequency operation. A must for
quality audio.

Also Available: WMT PRO - completely wireless hand held mic
for above **\$119.00**

Completely
Wireless
Handheld
VHF Pro Mic
System



WHXPRO

Totally "wire-free"! (transmitter is built into mic.)
2 VHF frequencies.
Over 250' range. Includes receiver. **\$179.00**



SUNPAK

CZ-200A

Mini
Cordless
Videolight
with
"Hot-Shoe"
Battery



RL10
Unique videolight includes
powerful battery with hot
shoe to run light and
camcorder up to 45 min!
Super lightweight and
compact light. Works with
Sony camcorders (and
equivalents). **\$49.95**

RB66HS Hot Shoe Battery \$39.95

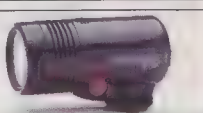
Readylite

Super lightweight, compact
videolight. Features 15w
bulb & 15 min. battery.
Charger Included

SALE \$49.95 RL20

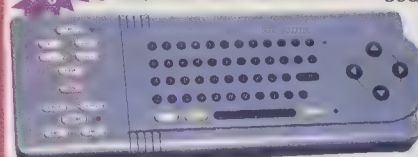


Zoom Cordless Video
Light with Auto Sensor
Features new sensor to
automatically adjust light
output as needed! Plus
zoom/wide switch And tilt
head! Includes battery
(20-45 min) **\$69.95**
plus charger



ScreenWriter™

S-VHS Character Generator SCG



Superimposes titles over existing video or generates title pages

Deluxe features include: • Attractive white, block lettering
• 4 different sizes • Scrolling for title pages
• 7 pages of memory

Sale \$149.00

Pro Ed/it 3
COLOR VIDEO
PRODUCTION
CENTER SED3



Edit out unwanted scenes. Brighten & correct colors.
Bring back sharpness and detail. Add narration and/or
background music.

Features: • Auto Fade • 2in/2 out
• By-pass to preview next scene
• mic, cables, AC adapter included

SALE! \$149.00



AZDEN

True 2 Channel
Wireless Receiver

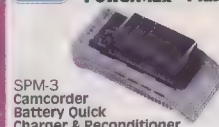
Finally - A true 2 channel wireless mic
system! The WR2 PRO receiver can
be combined with any 2 Azden "Pro"
mics. **\$179.00** WR2PRO

System 1- WR2PRO w/2 lapel mics **\$179**
System 2- WR2PRO w/1 lapel and
1 hands-free mic **\$199**
System 3-WR2PRO w/2 hands-free mics **\$419**



SIMO PowerMax Plus

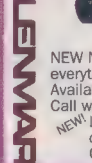
AMBICO



SPM-3
Camcorder
Battery Quick
Charger & Reconditioner
Eliminates battery memory to
ensure longest running time.
AC/DC **SALE \$49.95** (reg \$59.95)



Professional
Video Converter V0650
Converts movies, slides
AND photos to
video. **SALE \$49.95**
Needs no slide projector!!



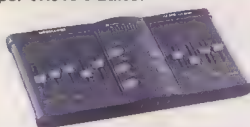
NOMEM™ BATTERY

NO MEMORY
CAMCORDER BATTERIES

NEW No memory batteries offer full charge
everytime! Carefree - No Worry!!
Available for all major brands
Call with your model number. **YOUR CHOICE \$49.95**
NEW! LP6500 6v 6.5AH Beltpak-Runs
camcorder 5+ hrs! For Sony,
Canon, RCA/HiTi, Pan/JVC - specify **\$59.95**

VANGUARD®

Hi 8/Super VHS A/V Editor



- Easy-to-use • SVHS Enhancer
- Auto fade for smooth transitions
- 4 channel stereo mixer w/2 mics

SALE \$149.95

GOLD DISK VideoDirector



Turn your PC into a complete edit
controller. The world's easiest desktop
video program to use and install!
"Smart Cable" plugs into PC serial port.
Mark and identify scenes and
VideoDirector arranges them in any
order! **\$149.00**

* requires camcorder with Control L & 386-DX
or better PC with Windows 3.1 or higher.

CITIZEN

M329II

2.9" LCD Color Monitor

Monitor your videos in full
color as you tape! Complete
w/battery pack, cords, hood
& bracket. **\$159.95**



Also Available:
M938 NEW! 3.9" LCD Color Monitor **\$249.95**
T740 NEW! M938 w/built-in TV Tuner **\$299.95**

footage expressly for film buffs.

Another difference between videotape and laserdisc became evident when a concern for artistic integrity led Woody Allen to demand that the video version of *Manhattan* be released letterboxed, preserving the film's widescreen theater look. Voyager decided to test consumer acceptance of letterboxing by releasing Max Ophuls' *Lola Montes* in its full innovative widescreen format, but only in Japan. In 1987 and '88, several other letterboxed discs were released in Japan, including such seminal widescreen presentations as *2001: A Space Odyssey*. U.S. video stores began to show an interest in importing these letterboxed discs for their more demanding customers.

In December 1988, MGM released *Dr. Zhivago* and *Ben Hur*, the first American films released by an American studio in the letterbox format. In March 1989, FoxVideo released a widescreen-only laserdisc edition of *Die Hard*. The success of these three titles, plus the jump in picture quality with the advent of digital transfers, sent shock waves through the home video industry. Studios realized there was a market of conspicuously consuming "laser maniacs,"

as Danny DeVito calls us, who love film and the details of its production. Directors like DeVito, Martin Scorsese, Stanley Kubrick, Steven Spielberg, James Cameron and George Lucas played active roles in seeing their works preserved and enhanced for posterity.

The laserdisc phenomenon is still relatively young; only about 1 percent of U.S. households own a laserdisc player, and most live in New York, Los Angeles or San Francisco. Few video retailers stock laserdiscs; fewer rent them. But there is enormous mail-order activity in new and used discs, a trend that often presages a strong retail business. And laserdisc players are the fastest growing product category in the consumer electronics industry.

The future? Well, there's HDTV, recordable disc technology, digital compression that could shrink the size of the videodisc, and who knows what else. But until speculation becomes actual product, laserdisc will be the format of choice for film buffs and techno-perfectionists for many years to come. But the only future I'm concerned about is the forthcoming CAV Criterion edition of *Robocop*, complete with director Paul Verhoeven's running commentary and

supplementary material about the creation of the movie's special effects.

Would I buy that for \$100?
Yup.


TECH TIP

Rear-view mirror

When you shoot with a camcorder, it's easy to bump into things as you back up to get more people in a shot. I solved this problem by attaching a small mirror to my eyepiece with Velcro. I use my right eye to monitor the viewfinder and my left eye to look forward and to check the mirror when I'm walking backward.

How you mount the mirror depends on your camcorder. You may find that spring clamps, nuts and bolts or other types of hardware do the job best. The goal is to make it easy to attach and remove the mirror without damaging the camcorder body. An excellent mirror source is the toy store—the tiny mirrors kids play with work perfectly.

Robert A. Elkins
Landers, California



Call our **Friendly** sales staff for the hottest deals and lowest prices.

FREE CATALOG

"JOE VIDEO"™

POLARIS INDUSTRIES

141 W. Wieuca Rd. Ste 300-B
Atlanta, GA 30342

24 Hour

Your Electronic Depot™

Established 1983

Open Saturday!



ATLANTA, GA

Order Line... **CALL TODAY For All Your Video Needs!**

800 - 752 - 3571

Free Full Line Catalog

Authorized Dealer

TitleMaker

Character Generator: Add high resolution titles to your videos.

Turn your videos into polished productions!

- Over 100 Page Memory
- 12 Letter Styles,
- 4 Letter Sizes,
- A Million Color Choices
- 20 Special Effects

CALL!

- 24 Fade & Wipe Effects
- Full Size Keyboard
- Superimpose Feature

VIDEONICS

Video Equalizer

"Digital Paintbrush"

Change the color of just one object in a scene, or recolor the complete video. Sharpen the picture, add music, and digitally "paint" your videos.

- Audio Mixer
- Colorizer
- Video Processor
- Enhancer

CALL! For BEST PRICES!

Thumbs - Up™ Video Editor

Remove unwanted footage!

Rearrange your videos. Take out bad scenes. Preview your scene selection before it is recorded. The world's easiest-to-use home video editor! Works with your camcorder and VCR.

- 50 Scene Memory
- Automatic Fader
- Advanced Features Like Control-L, etc.

CALL Today!

Audio/Video Editor

Super-VHS, Hi-8, Stereo. Video Enhancer, Stereo Sound Mixer, Cross Fades, 2 Microphone inputs.

ALL ACCESSORIES ARE INCLUDED: 2 microphones, 4 single RCA cables, 3 dual RCA cables, 1 S-VHS cable, 1 AC/DC adaptor.

VA - 305 \$129.95

RECOTON

Wireless Video Sender

\$79.99

VideoProMagic™ SIMA

Digital Video Movie Studio and Audio Mixer

Picture-in-Picture, Multiscreen, \$389.95

Posterization, Mosaic, Strobe & Freeze

ENHANCER XL™

Enhance your video for the best possible picture. Output Level LEDs indicate the degree of enhancement.

\$99.95

- Adjustable Video Output Control
- S-VHS & VHS GOLD connectors for video.

bogen

SUNPAK

AZDEN

Vivitar

AMBICO

ColorWriterMagic™

Full Color Special Effects Electronic Titrer

8 different colors, Special effects, High resolution, Extensive memory, Full size keyboard.

Fx Video Ed/it 4...\$229

ScreenWriter.....\$149

Pro Ed/it 3.....call

Pro Ed/it 2.....call

CALL NOW!

For details and BEST pricing

DeskTop Video

GOLD DISK

VideoDirector™...\$129

POLARIS

RemoteMaker™...\$89

AI Tech

Full Line Catalog Available

All Night Order Line 800 - 752 - 3571

Order by 1pm(EST), and We'll Ship That Day!

Business Hours: 9am - 6pm (M-F) Sat. 10-4

10 Day money-back guarantee. 30 Day exchange. All returned products subject to a 5% restocking fee. Merchandise MUST be returned in same condition as it was shipped from Polaris Industries. Merchandise is covered by original manufacturers warranty. Not responsible for typographical errors. Prices valid for duration of this ad.

MASTERCARD **VISA**
DISCOVER **C.O.D.**

No surcharges for card processing on US orders. S&H not included. Prices subject to change without notice.

BEACH CAMERA OF MAINE

TOLL FREE ORDERS ONLY
1-800-634-1811

ANYWHERE IN U.S., HAWAII, ALASKA & CANADA

In N.J., CANADA & OVERSEAS 1-908-424-1101
 FOR INFORMATION 1-908-424-1101
 24 HOUR FAX ORDERS 1-908-424-1105
 CUSTOMER SERVICE 11am-5pm 1-908-424-1103

NEW YORK PRICES

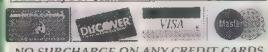
WITH NEW ENGLAND SERVICE

25 Yrs
Experience

EXPRESS SHIPPING AVAILABLE

Send All Mail Orders To The Following
203 ROUTE 22 EAST
GREENBROOK, NJ 08812

ALL MAJOR CREDIT CARDS ACCEPTED



NO SURCHARGE ON ANY CREDIT CARDS

OPEN SUNDAYS

NO SALES TAX WHEN
SHIPPED OUT OF NEW JERSEY

**SATISFACTION
GUARANTEED
IN 15 DAYS OR YOUR
MONEY BACK !!**

At Beach Camera most orders are
processed within 20 hrs. New Jersey
Residents add 6% sales tax.

STORE HOURS:

Sunday	10:00am-6:00pm
Monday	9:00am-7:00pm
Tuesday	9:00am-7:00pm
Wednesday	9:00am-7:00pm
Thursday	9:00am-7:00pm
Friday	9:00am-5:00pm
Saturdays	CLOSED

TR-SERIES SONY TR-SERIES

TR-101 \$1019
☒ Hi-8
☒ 10:1 Zoom
☒ Hi-Fi Stereo
☒ Digital EIS
TR-200 748
TR-81 799
TR-9 588

TR-61 \$628
☒ 10:1 Zoom
☒ Hi-Fi Stereo
☒ Wireless Remote
TR-31 568
NEW TR-300 Color 1048
NEW CCD VX3 3 Chip CALL
NEW CCD-VX1 CALL

VHS-C Panasonic VHS-C

PV-43 NEW \$808
☒ EIS
☒ Metal Heads
☒ 20:1 Digital Zoom
PV-42 768
PVS-62 S-VHS-C 999
NEW PVS-63 S-VHS-C CALL
PV-332 638

PV-IQ403 \$628
☒ 1 Lux
☒ 10:1 Zoom
☒ COLOR VIEWFINDER
NEW PV-IQ203 538
NEW PV-IQ303 CALL
NEW PV-IQ503 CALL
NEW AG-3 (3 CCD CHIP) CALL

AUTHORIZED Canon DEALER

A1 Digital \$1088
☒ Hi-8
☒ Digital Effects
☒ 10:1 Zoom
☒ Character Generator
E65 599
E61 508
NEW! E-520 CALL
We Carry The Whole Line Of Canon!

L-1 Pro SPECIAL LOW
☒ Hi-8
☒ 15:1 Zoom
☒ Changeable Lenses
E210, E250, & E350 SPECIAL
UC-1 588
UC-20 648
NEW! UC-52 749
NEW! UC-53 1169

NEW! SHARP NEW!

VLL62 \$548
☒ 0.7 Lux
☒ Slimcam
☒ 12:1 Zoom
☒ Remote Control
NEW VLE-30 CALL
NEW VLHX10 CALL
VLL-50 Orig. Slim Cats Eye CALL

VL-HL100 CALL NEW
☒ Viewcam
☒ Built-In Monitor
☒ IN STOCK
NEW VLL-63 CALL
NEW VLNI1 CALL
VLL-72 Twincam 648
 SHARP Batteries, Cases, and Car Cords Available Please Call

Nikon Quasar

VN-750
 5 YR WARRANTY
 CALL

☒ Nikon Optics
☒ Hi-8
☒ 10:1 Zoom
☒ EIS
☒ Same As Sony TR-101
VN-330 (Same As TR-61) CALL
VN-720 (Same As TR-200) CALL

VM539 NEW CALL
☒ EIS
☒ VHS-C
☒ 20:1 Digital Zoom
☒ Same As Panasonic IQ Series
VM-719 (Same As PVS-770) CALL
VM-718 (Same As PV-760) CALL

YASHICA Quasar

KXH-V1 CALL

☒ Hi-Fi
☒ 10:1 Zoom
☒ Wireless Remote
☒ Hi-8
NEW KXH-33 CALL

Monitors & VCRs
VCRs 34.99
VH-220 CALL
VH-425 CALL
NEW VH-230 CALL
NEW VH-434 CALL

VH-420 CALL
VH-6420 CALL
NEW VH-430 CALL
NEW VH-435 CALL

SONY

VHS VCRs
NEW SLV-400 228
NEW SLV-595 358
NEW SLV-596 378
NEW SLV-700 CALL
NEW SLV-750 CALL
SLV-R5 CALL

8mm VCR's
EVS-550 438
NEW EVS-40 298
NEW EVS-2000 738
NEW EVC-40 298
NEW EVC-3000 LOW
 Brand New! EVS-2000 The Lowest
 WE ALSO CARRY SONY BETA PLEASE CALL!

Panasonic

Video Cassette Recorder

NEW PV 2301 168
NEW PV 4311 CALL
PV 4262 308
PVS 4280 598
NEW PVS 4380 CALL

NEW PV 4301 198
NEW PV 4351 238
NEW PV 4314 CALL
NEW AG 1970 1099
NEW AG1270 CALL

RCA

Video Cassette Recorder

VR 320 179
VR 516 CALL
VR 526 219
VR 657MF 258
VR 667MF CALL

NEW VR800 HF CALL
VR 536 CALL
VR 538 CALL
LASER DISC
LDR 500 CALL
LDR 310 CALL
 ASK ABOUT THE NEWEST & LATEST VCRs

JVC

Video Cassette Recorder

NEW HRJ-200 188
NEW HRJ-600 298
HRV 86 328
HRDX 62 278
HRDX 62 278
HRJ 4700 418
NEW HRS 6800 568

NEW HRJ-400 218
HRVP 46 244
HRDX 42 CALL
NEW HRS 4900 CALL
NEW HRS 6900 CALL

HITACHI

Camcorders
VM-H39A New
NEW VMH-57 CALL
VME-25A CALL
VM4400A CALL
VM5400C CALL
VM5PIA WATER RESISTANT CALL

VCRs
VT-M262 CALL
VT-F362 CALL
VT-F551 CALL

VT-M462 CALL
VT-F351 CALL
VT-S751 CALL

MITSUBISHI

Video Cassette Recorder
HSU-36 249
HSU-37 428
NEW HSU-69 CALL

HSU-56 339
HSU-56P 378
NEW M758 1049

TOSHIBA
Video Cassette Recorder
Toshiba 228 CALL
Toshiba 558 CALL
NEW M449 IN STOCK

GO.VIDEO 2020
NEW Film Mate 3050

BRAND NEW SONY FX-SERIES

FX-420 \$568
☒ 2 Lux
☒ 10:1 Zoom
☒ 3 Mode AF
☒ A/V Fader
FX710 768
NEW FX-310 508
 Sony Video Tapes CALL

FX-520 \$628
☒ 12:1 Zoom
☒ 3 Mode AF
☒ Hi-Fi Stereo
NEW FX-620 CALL
FX-410 528
V701 778

S-VHS Panasonic VHS

PVS-770 \$988
☒ S-VHS-C
☒ 12:1 Zoom
☒ Digital Fade
☒ Video Light
PV-760 828
AG455 Professional CALL
AG460 Professional CALL

PV-800 \$598
☒ 2 Lux
☒ 12:1 Zoom
☒ Slim Width
☒ Switch Hitter
PV-704 509
NEW! PV-810 Video Lite CALL

AUTHORIZED RCA DEALER

PRO 830 NEW CALL
☒ 210:1 Zoom
☒ Digital Titler
☒ Remote Control

CC 540 CALL NEW
☒ 24:1 (100 Dig) Zoom
☒ Titler
☒ Only 1 Lux
☒ Full Size VHS

NEW Pro 883, Hi-8, EIS CALL
VHS CC407, CC507, CC517 CALL
NEW Pro 84, 808 CALL

Pro 807 & Pro 870 CALL
NEW Pro 930 Hi-8, EIS CALL

S-VHS-C JVC NEW!

GR-SZ1 \$1158
☒ Hi-Fi
☒ S-VHS-C
☒ 22:1 Zoom
☒ Wireless Remote
GRM-3U 488
GRM-5U 558
GRM-7U 688

GR-AX33 \$548
☒ VHS-C
☒ 8:1 Zoom
☒ Video Light
GRAX-50 609
GRS-90 768
GRAX-2 478
GRAX-35 588

MINOLTA RICOH

Pro 8-918 IN STOCK
☒ 8:1 Zoom
☒ Hi-8
☒ 820,000 Pixels
☒ 2 CCD Chips
Pro 8-808 Special
Pro 8-848 8-438
64X1 Zoom CALL
C-518/C-538 VHS-C Low
C-618 Video Light Prices

R87H LOW!
☒ Hi-Fi
☒ Wireless Remote
☒ Same As Sony
☒ 10:1 Zoom
R15 (Same As Sony TR71) Low
R18H (Same As Sony TR101) Low
R16 (Same As Sony TR61) Prices

VIDEO ACCESSORIES

VIDEONICS
Monitor M3291 CALL

CITIZEN MONITOR
SCALL

WE CARRY MANY MORE PLEASE CALL!

SUNPAK
Auto CV-300 139
Auto CV-208H CALL
CV-300 75
CV-200 CALL
CL-5/8 Battery CALL
UNIMAT VIDEO LIGHTS AVAILABLE

All merchandise is brand new and factory fresh. Prices are For Mail Order Only! 10% deposit required for COD orders. Please allow 3-4 weeks delivery time for personal check orders. Exchange or refund less shipping and handling within 15 days of merchandise only if returned in original mint condition with original package and unopened warranty cards. Please call 908-424-1103 for return authorization before returning product. Some items listed may be parallel imports and do not include USA warranty. Returns may be subject to a restocking fee. Quantities limited. Prices effective through September 30, 1993. Call for shipping and handling charges. Tarnish lens mounts sold separately. No Surcharge on Credit Cards. Thank you for shopping with us UPS, Federal Express & US Mail.

MITSUBISHI TOSHIBA RICOH MINOLTA RCA VIDEOONICS JVC SUNPAK

SALE!

CABLE TV DESCRAMBLERS WE'LL BEAT ANY PRICE! CALL TOLL-FREE 1-800-284-8432

• JERROLD • TOCOM • ZENITH •
• OAK • PIONEER • HAMLIN •
• SCIENTIFIC ATLANTA •

24 HOUR SHIPMENTS!
QUANTITY DISCOUNTS!
MONEY BACK GUARANTEE!
FREE CATALOG & INFORMATION



Mastercard • American Express • Visa • C.O.D.
HAVE MAKE AND MODEL NUMBER OF EQUIPMENT USED IN YOUR AREA

1-800-284-8432

FOR ORDERS ONLY
For technical & customer service: 305-749-3122
ALL SHIPPING & HANDLING FEES AT CUSTOMER'S EXPENSE
Anyone implying theft of service will be denied assistance

CABLE WAREHOUSE

10117 WEST OAKLAND PARK BLVD., SUITE 315, SUNRISE, FL 33351
NO FLORIDA SALES

Circle 21 on Reader Service Card.

Q&A

continued from page 29

ample, now offers only three camcorders that use the small 26.7mm head drum. Within a few more model changes, Sony will probably not use it at all. Meanwhile, Panasonic has found a way to use a standard-diameter double-azimuth head drum in its latest IQ-series camcorders, readily admitting in its promotional literature that doing so enables the camcorders to achieve greater compatibility with table-model VHS decks.

Despite this, even two different makes or models of VHS decks sharing the same size drum can exhibit wavy vertical lines. This is an anomaly that can readily be tested and seen by anyone who cares to take the time to look closely at how vertical lines are reproduced onscreen.

For this reason, it's best to play your tapes on the VCR that recorded them if you demand optimum picture quality. Likewise, serious home videographers may want to play their camcorder tapes in the camcorder, even if they have a VCR of the same format. Of course, this

wears out the camcorder faster.

Q My uncle from the U.K. brought along his 8mm camcorder during a recent trip, and I was surprised to discover it has two recording speeds, SP and LP, instead of just one like ours do over here. Why don't 8mm camcorders sold in the U.S. have two speeds?

Victor Smythe
Boston, Massachusetts

A At least one 8mm camcorder in the U.S. did offer two recording speeds—the modular system sold by Kodak between 1985 and 1987. While many 8mm and Hi8 VCRs and Video Watchmans offer both speeds, all camcorders only record in SP, even though a few brands (including Sony and Canon) offer the ability to play the LP speed, even if they can't record it.

Two-speed record/playback for European PAL camcorders has always been the rule, however, primarily because PAL camcorders adopted a faster linear tape speed and wider video track pitch than NTSC models. PAL 8mm SP speed is 2 centimeters per second (1 cm for LP), while it's 1.43 cm/sec. for NTSC and half that for LP. Since thinner, longer 8mm tapes weren't available when the format appeared, the PAL LP speed was deemed necessary for extended taping sessions.

Q I recently had some silent home movies transferred to videotape. The lab dubbed in a background soundtrack I selected. Unfortunately, when I play the tape on my VCR, I can't hear the audio, even though it can be heard when the tape is played on my neighbor's VCR. What gives? Is there a problem with my VCR?

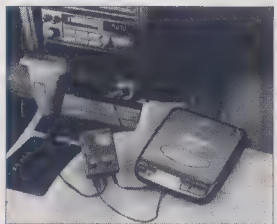
Bill Katz
Westerly, Rhode Island

A Knowing the makes and model numbers of the VCRs involved would help in my diagnosis, but I think I can identify the gist of the problem. When the lab dubbed the audio onto the tape, it was probably as a second pass after it had transferred the movies to video. This means the lab dubbed the audio onto the linear audio track. Hi-fi audio can't be overdubbed after the video has been recorded, although the lab could have recorded both hi-fi audio and video at the same time. Assuming the lab was assembling several little reels of movies into a single tape, I can see why the lab chose not to go that route, since it would have complicated the job and increased the cost.

Your tape must have had a linear au-

Introducing the... **NEW FOR AUDIO** **SOUND FEEDER™ SF100** **Mobile Audio Connector**

The **Sound Feeder** Model SF100 Mobile Audio Connector is the most practical and convenient way to connect your portable Compact Disc Player or Cassette Player to your car's existing FM radio speaker system. By simply plugging the **Sound Feeder** into your cigarette lighter, connecting the audio input wire to your portable player, and setting it to the desired station, you can begin to enjoy the amplified STEREO sound of

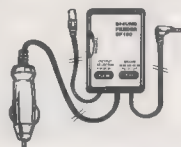


your portable music source without the bother of dangerous

(and often illegal) headphones.

As an added feature, the **Sound Feeder** also contains a specially designed DC-to-DC convertor that will provide 4.5v, 6v, or 9v DC power from the car cigarette lighter to most (but not all) brands of portable players.

The **Sound Feeder's** combination of stereo sound, easy installation, portability and power supply feature, plus its ability to reduce the risk of theft and save the expense of an expensive in-dash system, make it the ideal accessory for every vehicle owner.



ARKON RESOURCES, INC.
ARCADIA, CALIFORNIA, U.S.A.
1-800-841-0884 • FAX: 818-303-6157

Circle 31 on Reader Service Card.

ALL EQUIPMENT IS U.S.A. WARRANTED AND FACTORY FRESH.



NO BULL....



FOR ORDERS ONLY
1-800-662-8559
 1-800-NO BULL 93
 1-800-NO-BULL6 (662-8556)
 From Canada 1-800-344-BULL(2855)

WE ARE AUTHORIZED DEALERS
 FOR ALL MAJOR BRANDS AND ALL
 OUR EQUIPMENT IS FACTORY
 SEALED AND HAS FULL U.S.A.
 MANUFACTURERS WARRANTY

CALL US WHEN YOU'RE
 TIRED OF THE BULL
 FOR A BREATH OF FRESH AIR &
 A NO BULL SHOW AT ELECTRO WORKS
 CUSTOMER
 SERVICE # **908-566-7100**

FOR ALL OTHER INFORMATION INCLUDING TV'S, PAL, MULTI SYSTEMS & EUROPEAN EQUIPMENT-PLEASE CALL

* WE WILL BEAT YOUR BEST LEGITIMATE PRICE

DO NOT CALL US...UNLESS

- YOU ARE TIRED OF THE BULL....
- YOU DON'T WANT TO BE BAITED & SWITCHED
- YOU DON'T LIKE TO BE JERKED AROUND "AFTER YOU'VE CALLED AROUND
- & YOU'RE READY FOR A "NO BULL" SHOW! YOU'LL SEE WHAT WE MEAN!!"

**C.O.D.
 NO EXTRA
 CHARGE*

**C.O.D.
 NO EXTRA
 CHARGE*

8 MM 	S-VHS 	HI 8 	VCR's 	ALL AUDIO & LASER 	ALL TV's 	ALL EDITING EQUIP. 	ALL CAR AUDIO & ALARMS
CAMCORDERS Panasonic PV43 E.I.S. 20-1 PV563E I.S. Super 20-1 PV1Q303 NEW PV1Q403CLR NEW PV1Q503H.F. CLRNW PV332 C NEW PV332 C NEW PV800-PV810 NEW PV760 W/C E.I.S. NEW PVS70 W/C SPR DGTLNEW ALL TV 13" TO 51" CALL INDUSTRIAL ALL MODELS CALL AG195 CALL AG455 CALL AG460 CALL HITACHI VMH39A HITACHI VM1600 VHS12X VM2600 VHS24X VM8200 SUPER VM-E53A 8MM 16X VM-E55A 16X E.I.S. VM-H57A HI-8 E.I.S. VM-H38A HI-8 E.I.S. VMH39A HI-8 E.I.S. VM-SP1A Sports NEW All TV 13" to 60" CALL ALL NEW MODELS REAL PRO 808 8X8MM PRO 830 10X8MM PRO 840 12X8MM PRO 883 E.I.S. 10X8MM CC 412 12XVHS CC 540 24XVHS ALL VHS-C MINIGITA 8-918-2 CHIP HI 8CALL RATED #1 \$1599 RICOH R 16 W/A-A=TR61 R 87 MINI-TR200 NEW W/COLOR FINDER R 18 HI-8=TR101 ULTRA ZOOM...35MM	CAMCORDERS SONY AUTHORIZED DEALER 1993 Canon L-1 HI 8 CALL A1 DIGTL HI 8 CALL UCS-2 HI 8 CALL UCS-3 HI 8 CALL UC-1 COLOR CALL UC-1 MINI CALL UC-20 MINI CALL E520 WLITE CALL E 250 12-1 E350 NEW E-67 8-1HI FI CALL ED-100 & ALL ACC.CALL JVC GRAX25U NEW GRAX35U NEW GRAX55U NEW GRAX75U E.I.S. NEW GR-M7U NEW GR-AW1Sports NEW GRS-X90 SUPERCALL GRS-605 SUPERCALL GRS-Z1 E.I.S. MINI SUPER VIEW CAM SHARP VLL 630 SLIM CAM VHS VLL 720 SLIM TWIN CAMVHS VLN-7 8MM VLL-HX 10 HI 8 TWIN CAM VLL-HL100V VIEWCAM VHC 96 U 8HD S4900 20" T.V. CALL S3900 27" T.V. CALL YASHICA KX-HV-1 HI 8 MINI-TR200 KXV10 COLOR FINDER KXV 35 = TR61 PAL & MULTI SYSTEM CAMCORDERS SONY VCR'S AIWA AKAI HITACHI JVC STEREO TOSHIBA LASER PLAYERS CANON EDITORS PANASONIC AGW SHARP INSTANT REPLAY	VCR'S SONY AUTHORIZED DEALER 1993 JVC HR-J 200 2 HD HR-J 400 4 HD HR-JP 404 4 HD VCR+ HR-J 600 4 HD HF HR-JP 604 4 HD VCR+ HR-JP 604HFVCR+CBL HR-JP700LOADED F.E.H. HRS 4700 SUPER HRS 6800 SUPER JCG EDT HRS8900 SUPER LOADED HRP1U TV/VCR ALL TV 13" TO 55" CALL JVC SPECIAL F X JXS100 WELL JXS300 YOUR JXS555 BEST JXT66-JXT88 PRICE GO VIDEO \$609 GV3050X HI FI AVAILABLE NOW Panasonic PV2301 2 HD PV4301 4 HD PV4351 4 HD HF PV4361 62 4 HD HF PV4366 SUPER JCG PVS4380 SUPER TBC ALL NEW MODELS CALL INDUSTRIAL WJAVE-1 CALL WJAVE-3 CALL WJAVE-5 CALL AG1970 CALL AGA96 CALL AGW-1 UNIVERSALCALL Panasonic PVM1321 13" PVM2023 20" PVM2042 4 HD 20" ALL TV 13" TO 51" CALL REAL VR 526 VCR CALL VR596HF VCR+CABLECALL VR667HF VCR+CABLECALL VR800F BMMVCR+CALL ALL NEW MODELS CALL	AUTHORIZED DEALERS SONY Panasonic JVC Canon Pioneer Laserdisc AIWA TOSHIBA Quasar HITACHI Brother PHILIPS RICOH SHARP CASIO REAL FUJII YASHICA PINNACLE MSX Technics Tokina VHS Carwin-Vega DA STEADICAM YAMAHA NADY AZDEN & MANY MORE NO BULL....	HITACHI VT-M270 4 HD VT-M272 4 HD VCR+ VT-F370 4 HD HF VT-F372 4 HD HF VCR+ VT-F551 4 HD LOADED VT-S 772 SUPER LOADED 13"-55" TOSHIBA M 469 4 HD VCR+ M 649 4 HD HF VCR+ M 659 4 HD HF VCR+ M 759 4 HD HF JCG M 769 LOADED F.E.H. ALL TV 13"-55" VIDEO PRINTERS HITACHI VY 15 A PANASONIC PV-VP1 SONY CVGP700 STEADICAM Top name in camcorder stabilizations! NEW LOWER PRICE	LASER PLAYERS ALL MAJOR BRANDS OF KARAOKE PLAYERS & ACC. IN STOCK WE HAVE THE BEST PRICES IN THE COUNTRY!! PIONEER ALL MODELS CALL ALL COMMERCIAL UNITS CALL COMMERCIAL PRODUCTS PHILIPS CD AVAILABLE NOW! AT A NEW LOWER PRICE CALL NOW! AUTHORIZED SONY DEALER 1993 PANASONIC LX101 600.900 PANASONIC LKX-700 KARAOKE PIONEER KARAOKE MITSUBISHI LASER SONY KARAOKE DENONET WORLD'S ONLY LASER-CD GRAPHICS KARAOKE. IN STOCK LOWEST PRICE IN USA SVHS MOVIES Raiders Of The Last Crusade 12.95 Hunt Red October 24.95 Days of Thunder 24.95 Ghost 24.95 Godfather III 37.95 8mm Movies \$14.95	AUDIO SONY AUTHORIZED DEALER 1993 PIONEER AUTHORIZED DEALER 1993 Panasonic AUTHORIZED DEALER 1993 JVC AUTHORIZED DEALER 1993 WELL MATCH OR BEAT YOUR BEST DEAL	T.V. LINEUP DIRECT VIEW 8" TO 35" PROJECTION 40" TO 70" LCD PROJ. 2" TO 150" TV/VCR COMBO

ELECTROWORKS INC.
 YOUR AUTHORIZED DEALER

24 Hour Fax Order Line 1-908-566-8234 For Orders only 1-800-662-8559
 Technical Info. call 908-566-7100 SUN 10-6 MON-FRI 9-8
 Plaza 34, 100G Hwy. 34, Matawan, N.J. 07747 C.O.D. NO EXTRA CHARGE

All merchandise shipped factory fresh. Returns O.K. within 7 days exactly, as received. Shipping and handling non-refundable. Call for return authorization number. Subject to restocking fee. Merchandise subject to price and availability changes. Service only after sale. All prices include a cash discount and reflect rebates where applicable. All orders accepted at management's discretion. Pictures are for illustration only. At time of order only. *Does not apply to Freight or Foreign Deliveries. Prices in store may vary. U.S.A. warranty does not apply to PAL or Multi Systems. Personal checks require 10 day wait.

FACTORY DIRECT

TO ORDER (800) 695-3535 FOR INFORMATION (212) 564-4398

**\$5,000,000
SUMMER
SALE!**

HOME THEATER

SONY WALKMAN

WMFX-42 WM-FX56
WM-F2078 WM-GX90
WM-FX45 WMD-DT1
WM-FX42 TCD-D7

LOW PRICE CALL!

CAMCORDER

SONY PORTABLE

CFD-20 CFD-570
CFD-30 CFD-580
CFD-59 CFD-703
CFD-445 CFD-758
CFD-460 CFD-768
CFD-560 CFD-970

LOW PRICE CALL!

CAR STEREO

PORTABLE CD

D-220 D-421SP
D-223 D-122CK
D-225CR D-802K
D-113CR D-822K
D-321 D-828K

LOW PRICE CALL!

BUY THE BEST

YAMAHA-DENON
NAKAMICHI-SONY ES
PIONEER-ONKYO
BOSE-KLIPSCH
POLK-M & K

LOW PRICE CALL!

**WARNING!
NO EXTRA CHARGE
FOR U.S.A WARRANTY**

dio track. However, the lab probably used a hi-fi VCR for the tape transfer, in which case a "blank" signal was recorded on the hi-fi tracks, since it's not possible to turn off the hi-fi recording on any consumer machine I'm aware of. (It is possible on several pro VHS machines.)

If you have a hi-fi VCR, any time you play that tape, the audio circuit automatically tries to play the hi-fi sound, even though there's no sound there. To hear the sound recorded on the linear audio track, you have to manually select it using the audio monitor control on your VCR.

As for why your neighbor's VCR can play the sound immediately, it's likely he doesn't have a hi-fi VCR, so the only sound the machine can play back is the linear audio track.

Q Sony's CCD-VX3 three-chip Hi8 camcorder interests me greatly, since all the reviews have been very good. But how does it compare to a professional Hi8 camcorder like Sony's EVV-300 or Toshiba's TSC-200?

J.B. Barnette
Los Angeles, California

A While the VX3 is a superb camcorder, it is intended for the high-end consumer, not the video professional, even though pros may find it suitable for their purposes.

Pro camcorders like the EVV-300 and the TSC-200 cost more than twice as much as the VX3, even though they are also Hi8 models. How do they differ? Pick one up at an industrial video dealer—the machines' obvious sturdiness and heft tells the tale. Both pro models use heavy-duty metal castings, instead of the plastic found in consumer models. Both offer balanced, shoulder-mount styles for sturdier handheld shooting. They also offer an extensive range of audio and video adjustments not found on the VX3, like aperture correction and integral color-bar and black generators, as well as mechanical toggle switches to turn features on and off. By contrast, consumer camcorders rely on "software" switches buried in onscreen menus and prompts that are more time-consuming to use.

And speaking of time, the pro models both use long-lasting, industry-standard NP-B1 12-volt, 2.4-amp batteries to maximize recording time. Both pro models also conform to the C-mount interchangeable lens system, giving the user a vast array of optical choices for specialized tasks. Finally, not all three-chip camcorders are alike, and while the VX3 uses 1/3-inch CCDs, the EVV-300 and TSC-200 use half-inch CCD chips that are less prone to smear.

Despite these and other features, the bottom line may still be picture quality, and even the most expensive pro Hi8 camcorder can't squeeze more picture quality from the format than it's capable of, or reduce or eliminate Hi8's propensity for dropouts. Given the much higher price of the pro Hi8 camcorders, and despite their extra features, I suggest you look at some of the newer low-priced Betacam or M-II camcorders. Both formats provide much better video quality and versatility than Hi8. Hi8 may have aspirations to being a pro format, but in my humble opinion, it doesn't quite make the grade.

Q I want to buy an audio/video editor or some other device that will allow me to control the pitch of the sound coming from my VCRs. I want to be able to raise the pitch to sound like Alvin and the Chipmunks, and to lower it as well. Who makes such a device, and what does it cost?

James J. Carter
Baton Rouge, Louisiana

A Many pro videotape formats can be speeded up or slowed down incrementally, with or without appropriate adjustments to the accompanying soundtrack. Time compression like this is commonplace on TV networks (Nickelodeon uses it, for example) and most viewers aren't even aware it's going on, although a sharp eye can spot the jerkiness in actors' movements when they walk across the screen.

There really aren't any consumer video products that can do the same thing, although over the years a number of VCRs have offered double-speed playback with audio. On some models, the pitch of the sound is also doubled, producing a Donald Duck effect, while on some hi-fi VCRs, the audio remains intelligible, albeit fast and semi-garbled. Double-speed playback is really too fast for this technique, but without special dynamic tracking video heads, slower speeds that might come closer to the effect you want aren't possible.

By the way, the Chipmunks effect only works because the actors speak slower than normal to adjust for the audio compression added later. The animation, of course, is adjusted for the soundtrack, producing the unique sound that the anthropomorphic rodents popularized way back in the mid-'50s.

Q In your June "Q & A" regarding the connection of a camera to a Video Walkman, you failed to mention the Sony CCD-G1 camera. Contrary to

ALL EQUIPMENT IS FACTORY FRESH WITH FULL MANUFACTURERS WARRANTY

FACTORY DIRECT

Div. of THE SMARTER IMAGE
35 W. 35TH ST. NEW YORK, N.Y. 10001

OVERNIGHT DELIVERY GUARANTEED

INFORMATION PAL/SECAM 24 HR. FAX
(212) 564-4398 (212) 564-4399 (212) 643-9727



TELEVISIONS
JVC-RCA-SONY
HITACHI-TOSHIBA
ZENITH-PIONEER
MITSUBISHI
PANASONIC

(800) 695-3535
FOR ORDERS ONLY

WHOLESALE PRICES
DIRECT TO CONSUMERS

HOME THEATER HEADQUARTERS; FOR LOW PRICE CALL (212) 564-4398

PAL-SECAM-MULTISYSTEM UP TO 50% OFF!!!

PANASONIC

CAMCORDER

PV-43.....769
PV-IQ303.....539
PV-IQ403.....565
PV-IQ503.....CALL
PV-S63.....979
PV-362.....779
PV-810.....579
PV-760.....829
PV-S770.....949

VCR'S

PV-4351.....249
PV-4361.....309
PV-4362.....CALL
PV-S4368.....CALL
PV-S4380.....CALL
OTHER MODELS.....CALL

GO-VIDEO

2020.....579
2030.....LOW
3050.....PRICE

MITSUBISHI

HS-U48.....CALL
HS-U58.....389
HS-U59.....469
HS-U69.....619
HS-U82.....1149

SHARP

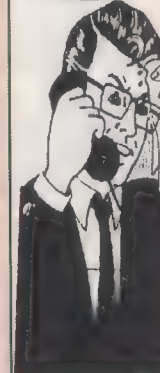
VL-NIU.....LOW
VL-HX10U.....PRICE
VL-HL100U.....1395
VL-72.....609
VL-380U.....CALL
VL-M6U.....549
VL-MX7U.....589

SHARPVISION

REBATE

NEW MODELS.....CALL
XV-120ZU.....1999
XVS-250U.....FOR
XV-H30.....LOW
XV-10PU.....PRICE
SMA-80XV.....CALL
SCREEN.....109

WHERE'S MY CAMCORDER?



DON'T END UP LIKE THIS MAN! GIVE US A CALL!

CANON

CAMCORDER

UC-S2.....729
UC-S3.....1089
E-250.....579
E-350.....689
E-520.....599
A1 DIGITAL.....1079
L-1.....1779

ACCESSORIES

WIDE LENS.....49
TELE LENS.....49

RCA

CAMCORDER

PRO-883HB.....799
PRO-840.....589
PRO-930.....709

SERVICE CONTRACTS

50% OFF!

HITACHI

CAMCORDER

VMH-39A.....LOW
VMH-38A.....PRICE
VME-53.....LOW
VME-55.....PRICE
VMS-8200A.....LOW
VCRS

VCR'S

VTF-362.....279
VTF-372.....LOW
VTF-462.....PRICE
VTF-551.....CALL
VTS-772A.....CALL

PANASONIC

TV-VCR COMBOS

PVM-1321A.....389
PVM-2021A.....429
PVM-2042.....LOW
PVM-2071.....PRICE

VIDEO TAPE

MAXELL - TDK

SONY - FUJI

T-30.....2.39
T-60.....2.39
T-120.....1.39
T-160.....2.89
T-120EHG.....2.39
T-160 HGX.....3.49
T-120 PRO.....4.99
T-120 S-VHS.....6.59
T-160 S-VHS.....9.29
TC-30 EHG.....3.39
ST-30XRS.....7.29
8MM 60.....2.69
8MM 120.....2.89
Hi-8 MP60.....4.49
Hi-8 MP 120.....5.99
Hi-8 ME 60.....8.19
Hi-8 ME 120.....10.49

BLACKWATCH

PRO.....CALL

REWINDERS

8MM.....24.95
PRO 8MM.....59.95
VHS-C.....29.95
VHS.....8.95
BETA.....29.95
PROWINDER.....59.95

AUDIO TAPES

MAXELL-TDK
LOW PRICES!!

SONY

TR-101

989

TR-200.....709
TR-300.....979
TR-81.....749
TR-61.....619
TR-71.....529
TR-31.....529
FX-420.....559
FX-520.....619
FX-620.....699
FX-710.....769
EVO-150-TR.....1899
VX-3.....INSTOCK

VCR

SLV-400.....239
SLV-595HF.....339
SLV-700HF.....PRICE
SLV-750HF.....CALL
SLV-RS.....729
BETA VCR'S.....CALL

8MM

EVC-40.....289
EVA-50.....319
EVS-2000.....CALL
EVS-3000.....1189
GVA-40.....629
GVS-50.....719

ALL ACCESSORIES IN STOCK!

RICOH

R-16.....LOW

R18H.....PRICE

R-87H.....699

NIKON

VN-330.....679

VN-750.....1099

FUJI

F-120.....569

F-122.....LOW PRICE

H-128.....CALL

P-401.....319

P-701.....619

MINOLTA

8-918.....CALL

WIDE LENS.....119

JVC

GR

M-SU 539

GRM-7 PRO.....679

GR-S21.....1149

GRAX-35.....579

GRAX-55.....639

GR-AX50.....619

GRAX-75.....CALL

GRSX-90.....719

VCR

HR-J400.....209

HR-D820.....229

HRJ-600.....289

HRJ-604.....309

HRJ-700.....369

HRS-4700.....409

HRS-6800.....539

HRS-6900.....PRICE

JXS-V55.....339

JXS-300.....179

JXS-900.....449

RMV-50U.....LOW

CBV-510U.....PRICE

JXT-66.....149

JXT-88.....239

TV'S.....CALL

VIDEO BATTERIES

LENMAR.....2900

2 HOUR.....19.95
3 HOUR.....39.95
6 HOUR.....59.95
20 AMPHOUR.....124.95
10 AMPHOUR.....80.50
NI-CAD PACK.....99.95
13 AMPHOUR.....84.95

10,000 MAH BATT

WILL RUN MOST

CAMCORDER'S

FOR UP TO 7 HRS.

WEIGHS UNDER 4 LBS.

COMES WITH CHARGER

AND ALL CONNECTIONS

NOTHING ELSE REQUIRED

69

TRIPODS

SLIK

523QF.....65

505QF.....115

506QF.....129

V-700 DOLLY.....52

722 HEAD.....55

BOGEN

3170.....89 3150.....239

3131.....204 3183.....435

3165.....109 3184.....39

3140.....189 3145.....36

AMBICO

0541.....64.95

0542.....59.95

0543.....47.95

ELMO

TRANSFER

UNDERWATER

EWA-MARINE

UW HOUSING.....159

IKELITE.....CALL

SONY MPK.....CALL

LIGHTS

SUNPAK

CV20S.....49.95

CV-20S AUTO.....54.95

CZ-200 AUTO.....49.95

CV300 AUTO.....84.95

SPARE BULB.....18.95

MIKES

AZDEN

WMS-PRO.....129.95

WRS-PRO.....CALL

WMT-PRO.....99.95

WHX-PRO.....157.95

DMH-80.....49.95

CAM-3.....41.95

WMS-200.....84.95

ECZ-770.....61.95

HS-V7.....16.95

TRANSFER-IT.....21.95

NADY

151VR/LT.....107

151VR/H.....127

251VR/LT.....195

351VR/LT.....159

551VR/LT.....529

551VR/H.....189

VC-100 BOOM MIC.....41

BM-500 STEREO MIC.....37

MCM-400.....42

AVM-300.....52

SAMSON-MR1

ST-2 (L)

ECM-144.....309

AT-831.....359

ECM-44.....359

SH-2

ATPR-4.....349

SHURE SM-58.....369

SHURE SM-57.....519

SUPER TD SERIES

ECM-144.....469

ECM-44.....509

ECM-77.....649

VIDEO LENSES

TOKINA - RAYNOX

VIVITAR - KENKO

05X WIDE.....39.95

2X TELE.....39.95

3.5X TELE.....84.95

4X TELE.....109.95

2.5-5X ZOOM.....329

SIMA

SCREEN.....99

WRITER.....99

PRO-EDIT3.....99

VIDEO PRO.....289

MAGIC FX-5.....159

FX-4.....159

COLORWRITER.....199

SPM-2.....19.95

SPM-3.....29.95

SPM-4.....39.95

ALL PRODUCTS.....CALL

STEADICAM

Because Life Doesn't Stand Still™

\$349

AMBICO

V-0635.....78

V-6310.....58

V-6306.....72

V-6305.....58

V-0629.....38

V-6350.....CALL

V-6300.....CALL

VIDEONICS

EDIT

MAKER 439

LIBRARIES.....39

THUMBS UP.....129

EQUALIZER.....199

SOUND MIXER.....119.95

TITLEMAKER.....319

PAL / SECAM

MULTI

SYSTEM

110-220V

UP TO 50%

OFF

CAMCORDER

8MM

SONY.....549

HITACHI.....599

CANON.....699

UNITED

VIDEO & CAMERA EXPRESS

734 Seventh Ave. New York, NY 10018-24 Hour Fax 212-367-3684

SONY

TR-101

Hi8

FEATURES:

- 10:1 ZOOM
- DIGITAL SUPERIMPOSER
- DIGITAL FADER
- RC TIME CODE

\$1088

TR-200

FEATURES:

- QUICK AUTOFOCUS
- HANDYCAM STATION
- READYCHARGE SYSTEM
- 3 MODE PROGRAM AE
- HI-FI STEREO SOUND
- 8:1 ZOOM
- DUAL BATTERY CHARGING SYSTEM

\$788

CCD VX3

Hi8

FEATURES:

- 1/3" PRECISION CCD
- DIGITAL COLOR NOISE REDUCTION
- BUILT-IN NEUTRAL DENSITY FILTER
- 12:1 ZOOM
- 2 PAGE DIGITAL SUPERIMPOSER
- RC TIME CODE

NEW

FX-520

FEATURES:

- 2 LUX MINIMUM ILLUMINATION
- 3-MODE PROGRAM AE
- DIGITAL FADER
- TILT-UP SPORTS VIEWFINDER
- WIRELESS REMOTE

\$638

FX-710

FEATURES:

- HI-FI STEREO
- PROGRAM AE
- 1/60/1-10,000 SHUTTER
- DIGITAL SUPERIMPOSER
- WIRELESS REMOTE

\$798

TR-61

FEATURES:

- 10:1 VARIABLE ZOOM
- BUILT-IN WIDE ANGLE
- 4-MODE PROGRAM AE
- WIRELESS REMOTE

\$628

TR-300	\$998	FX-420	\$598
TR-71	\$588	FX-410	\$568
FX-620	\$698	FX-510	\$598

RICOH

AUTHORIZED DEALER

R-18H

Hi8

FEATURES:

- 10:1 ZOOM
- DIGITAL SUPERIMPOSER
- DIGITAL FADER

R-16

FEATURES:

- 10:1 VARIABLE ZOOM
- BUILT-IN WIDE ANGLE
- 4-MODE PROGRAM AE
- WIRELESS REMOTE

CALL

6 Year Warranty

CALL

HITACHI

VMH-38A

FEATURES:

- 64x ZOOM
- DIGITAL EIS
- SPECIAL EFFECTS
- HIGH-SPEED SHUTTER

Hi8

2 Year Warranty

VMH-39A

FEATURES:

- 64x ZOOM
- 2 LUX
- DIGITAL EIS
- SPECIAL EFFECTS
- HIGH-SPEED SHUTTER

COLOR VIEWFINDER

VM-E55A

FEATURES:

- 16 x 1 ZOOM
- DIGITAL EIS FADE
- 1 LUX
- TTL FOCUSING
- MULTIBRAND REMOTE
- FLYING ERASE HEAD

IMAGE STABILIZER

VM-E53A

FEATURES:

- 16 x 1 ZOOM
- PROGRAM AE
- 2 LUX
- TTL FOCUSING
- MULTIBRAND REMOTE
- FLYING ERASE HEAD

AUTHORIZED DEALER

YASHICA

KX-V35

FEATURES:

- 10:1 VARIABLE ZOOM
- BUILT-IN WIDE ANGLE
- 4-MODE PROGRAM AE
- WIRELESS REMOTE

CALL

3 Year Warranty

SHARP

VL-E30

FEATURES:

- 8:1 ZOOM
- 3" LCD COLOR
- FLYING ERASE HEAD
- DIGITAL EFFECTS
- NEURO AE

\$998

Canon

Hi8

L1-PRO

AI-DIGITAL

Canon Credit Cards Accepted

AUTHORIZED DEALER

RCA

PRO-840

FEATURES:

- 12:1 ZOOM
- 1 LUX
- FLYING ERASE HEAD
- COLOR ENHANCEMENT LIGHT
- SCENE SELECT AE

\$688

AUTHORIZED DEALER

AccuGear

Made In The U.S.

AVH-1

FEATURES:

- 250' DEPTH RATING
- MAIN POWER ON/OFF
- BEEP ANNOUNCEMENT
- START/STOP RECORD

\$998

AVH-2Z

FEATURES:

- 250' DEPTH RATING
- MAIN POWER ON/OFF
- BEEP ANNOUNCEMENT
- START/STOP RECORD
- ZOOM CONTROL

\$788

AVH-2

FEATURES:

- 250' DEPTH RATING
- MAIN POWER ON/OFF
- BEEP ANNOUNCEMENT
- START/STOP RECORD

\$588

1•800•448•3738

ALL MAJOR CREDIT
CARDS ACCEPTED

IN NY STATE 212•247•7606•OPEN 7 DAYS 9AM-11PM

Panasonic

PV-IQ503

- FEATURES:
- 10 x 1 ZOOM
 - VHS-C
 - HI-FI STEREO
 - 1 LUX
 - VIDEO LIGHT



\$728

PV-53

- FEATURES:
- 20 x 1 ZOOM
 - VHS-C
 - 1 LUX
 - IMAGE STABILIZATION
 - COLOR VIEWFINDER



CALL

PV-IQ403

- FEATURES:
- 10 x 1 ZOOM
 - VHS-C
 - 1 LUX
 - VIDEO LIGHT



\$668

PV-43

- FEATURES:
- 20 x 1 ZOOM
 - VHS-C
 - 1 LUX
 - IMAGE STABILIZATION
 - COLOR DIGITAL FADE



\$828

PV-IQ303

- FEATURES:
- 10 x 1 ZOOM
 - VHS-C
 - 1 LUX
 - VIDEO LIGHT



\$628

PV-63

- FEATURES:
- 20 x 1 ZOOM
 - S-VHS
 - HI-FI STEREO
 - 1 LUX
 - DIGITAL EIS
 - COLOR DIGITAL FADE



\$1048

VHS-C

FULL SIZE VHS

PV-S62.....	\$998
PV-IQ-203.....	\$578
PVS-372.....	\$998
PV-362.....	\$788
PV-332.....	\$648

PVS-770.....	\$978
PV-760.....	\$828
PV-750.....	\$748
PV-800.....	\$588
PV-810.....	CALL

Panasonic INDUSRIAL

AG-455

- FEATURES:
- 12 x 1 ZOOM
 - HI-FI STEREO
 - 1 LUX



\$1588

CAMERAS

AG-460.....	\$2498
AG-3.....	\$2498
AG-190.....	\$788
AG-195.....	\$998
WV-D5100.....	CALL
WV-F250.....	CALL

VIDEO DECKS

AG-1970.....	CALL
AG-1960.....	\$888
AG-1740.....	CALL
AG-7450.....	CALL
AG-5700.....	CALL
AG-W1.....	\$1588

SHARP

VL-63U

- FEATURES:
- 12 x 1 ZOOM
 - 0.5 LUX
 - 1/10,000 SHUTTER
 - AUTO MACRO



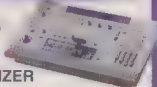
\$688

AUTHORIZED DEALER

DIGITAL A/V MIXERS

WJ-MX30

- FEATURES:
- FRAME SYNCHRONIZER
 - FREEZE FRAME
 - STROBE PAINT
 - COLOR CORRECTOR



Available
in Pal

\$2688

WJ-AVE 5

- FEATURES:
- FRAME SYNC
 - FREEZE FRAME
 - STROBE PAINT
 - PIP

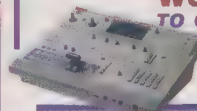


Available
in Pal

\$1288

WJ-MX50 TO OF THE LINE

Available
in Pal



JVC

GR-SZ1

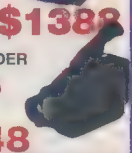
- FEATURES:
- 22 x 1 ZOOM
 - EIS STABILIZER
 - COLOR VIEWFINDER



\$1388

GRAX-35

- FEATURES:
- 10 x 1 ZOOM
 - 1 LUX



GR-M3U.....	\$488
GR-M5U.....	\$648
GR-M7U.....	\$788
GRSX-90.....	\$898
GRAX-75 DIGITAL EIS.....	CALL

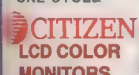
VIDEO ACCESSORIES

SPM-1

- FEATURES:
- DC QUICKCHARGER
 - USES ANY CIGARETTE LIGHTER

SPM-3

- FEATURES:
- QUICKCHARGE
 - DISCHARGE IN ONE CYCLE



M329 MKII.....	\$148
M938 3.8 INCH.....	\$248
T-470.....	\$298

Sima

SPM-4

- FEATURES:
- AC/DC QUICKCHARGER
 - RECONDITIONER
 - CHARGES 2 BATTERIES AT ONCE



SPM-2

- FEATURES:
- RECONDITIONER
 - TESTER

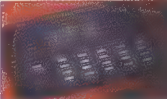


WORKS WITH
CANON
\$448
AUTHORIZED
DEALER

EDITORS/TITLERS/MIXERS

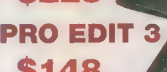
Sima

PRO EDIT 5



\$388

PRO EDIT 4



\$228

PRO EDIT 3



\$148

COLORWRITER



AVAILABLE IN PAL
\$248



\$148

JXS-900.....	\$498
JXS-300.....	\$228
MZ-707 MIC.....	\$138

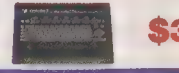
VIDEONICS

EDITMAKER



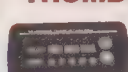
\$498

TITLEMAKER



\$388

THUMBS UP



\$168

VIDEO EQUALIZER.....	\$228
BOING BOX.....	\$148
PROCESSOR PLUS.....	\$168
GRAPHIC LIBRARY.....	\$38

AVAILABLE IN PAL

SUNPACK

APT-200

- FEATURES:
- WIRELESS
 - AUTO PAN
 - HEAD
 - 180° TILT
 - MULTI DIRECTIONAL



\$148

VIDEO LIGHTS

CV-AUTO 300.....	\$98
CV-300.....	\$78
CV-20 SA.....	\$68
CZ-200.....	\$58
CZ-200A.....	\$88
RL-20.....	\$38

ALL LIGHTS INCLUDE
BATTERY & CHARGER

NADY AMBICO

151 VR.....	\$138
151HT.....	\$178
351VR.....	\$188
49VR.....	\$88
SBM-500 BOOM.....	\$68

V-6300

- FEATURES:
- EDIT 2 VIDEOS
 - WIPE/FADE
 - TBC/GENLOCK COMPATIBLE



\$268

JVC

JXT-88

VIDEO TITLER

JXT-66

VIDEO TITLER

JXS-V55

PRODUCTION CENTER

JXS-900

JXS-300

MZ-707 MIC

\$278

\$178

\$398

\$498

\$188

\$138

AZDEN

VE-100/VPC-10

WIRELESS MICS

WMS-PRO.....	\$148
WHX-PRO.....	\$178
WR2-PRO.....	\$178
WMS-200.....	\$88

BOOM MICS

ECZ-990.....	\$78
ECZ-770.....	\$58
ECZ-440.....	\$48

RETURN OR EXCHANGE MAY BE MADE WITHIN 7 DAYS AFTER PRIOR AUTHORIZATION. ALL RETURNED MERCHANDISE MUST BE IN ORIGINAL NEW CONDITION AND INCLUDE BLANK WARRANTY CARDS. RETURNS ARE SUBJECT TO A 5% RE-STOCKING FEE. SHIPPING & HANDLING NON-REFUNDABLE. UNDERWATER EQUIPMENT NON-REFUNDABLE. WE RESERVE THE RIGHT TO LIMIT QUANTITIES. THIS AD VALID FOR MONTH OF ISSUE. CUSTOMER SERVICE 212-247-5880 MON-FRI 9AM-5PM E.S.T.

Circle 34 on Reader Service Card.



ESTABLISHED 1977 IN PORTLAND, OREGON
500 S.W. 5th Avenue • Portland, OR 97204



ORDERS ONLY
CALL TOLL FREE

1-800-222-1557

Inquiries and Customer Service

(503) 227-6008

FAX: (503) 222-7070

WEST'S LARGEST PHOTO & VIDEO CAMCORDER DEALER!

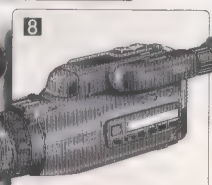
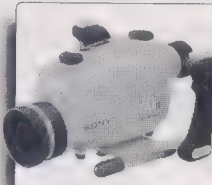


OPEN 7 DAYS A WEEK!

OPEN 7 DAYS A WEEK!
MON-SAT: 6am - 6pm* (PST)
SUNDAY: 8am - 5pm* (PST)
*Mail Order Division Hours Only.

FULL MANUFACTURER'S USA WARRANTY
ON ALL MAJOR PRODUCTS

All equipment is **BRAND NEW** and **FULLY GUARANTEED**



★ **Authorized Dealer** ★

Canon JVC SONY
Panasonic HITACHI RCA
Nikon Quasar PIONEER
MINOLTA OLYMPUS PENTAX
FUJI SUNKY Q CHINON
TDK SIGMA Tokina Kodak
SLIK Mamiya BRONICA bogen
RICOH Polaroid Vivitar BESELER
YASHICA TAMRON Konica Metz

Panasonic
Authorized Panasonic Dealer

JVC
Authorized JVC Dealer

SONY
Authorized Sony Dealer

• Video Camcorders • VCRs • Walkman • Discman • Telephones • Radios • TVs • 8" to Big Screen • Watchman Portable TVs • Mini Hi-Fi Bookshelf Stereo Systems • My First Sony (For Kids) • Mini Disc Players • Laser Karaoke • Laser Disc Players • World Band Radios

Canon
Authorized Canon Dealer

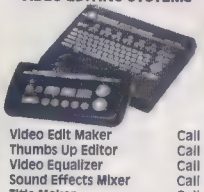
Canon
STILL VIDEO CAMERA

Nation's Largest Canon Video Dealer!
1990 • 1991 • 1992 • 1993
4 Years in a Row!



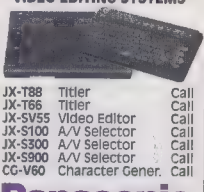
RC-360 Still Video Camera
RC-570 Still Video Camera
RE-650 Visualizer
RP-420 Printer
RP-733 Printer
RP-510 Color Printer
RV-511 Video Player
Call for More!

VIDEONICS
VIDEO EDITING SYSTEMS



Video Edit Maker
Thumbs Up Editor
Video Equalizer
Sound Effects Mixer
Title Maker

JVC
VIDEO EDITING SYSTEMS



JX-T88 Titler
JX-T86 Titler
JX-SV55 Video Editor
JX-S100 A/V Selector
JX-S300 A/V Selector
JX-S500 A/V Selector
CG-V60 Character Gen.

SONY
VIDEO EDITORS



XV-T33 Sketch Titler
XV-C700 Color Corrector
XV-C900 Color Corrector
RM-E100VA Edit Controller
PHV-A7 Film-to-Video Converter
HVT-80A Film-to-Video Converter
SB-V1 Switcher
SB-V48 Switcher
SB-V700 Switcher
SB-V900 Matrix Switcher

Panasonic
WJ-AV1 New Titler
WJ-AV3 Digital FX Gen.
WJ-AV5 Digital A/V Mixer
WJ-TL5 Char. Generator



Pro Ed/It 2
Pro Ed/It 3
Pro Ed/It 4
Pro Magic SFX-5
Pro Ed/It 4
Color Writer Magic
Sound Mixer
Sound Mixer (Stereo)
VHS Rewinder
8mm Rewinder

SUNPAK
VIDEO LIGHTS



Auto CV-300 99.85
CZ-200 Auto 85
CZ-200 85
Readylite 10 49.85
Readylite 20 49.85
Auto Pan Head 49.85
Call for More

NADY
MICROPHONES



151 VR/LT
Wireless lav.
mic system.
120 db dynamic range.
Up to 200 feet operating range

AZDEN
MICROPHONES



WMS-Pro ECM-111 EC2-990
WMX-Pro WR2-Pro HS-7V
• AVS-20 Switcher
• AVS-10 Switcher
• VE-100 Editor

Call for Prices

Telephoto & Wide Angle Lens Set
For Sony TR-101 Camcorder
Made in Japan

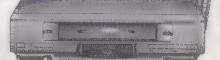


• 1.5x Telephoto Lens (52mm)
• 0.65x Wide Angle (52mm)
• Protective Case & 2 Lens Caps
• Instruction Sheet
ON SALE \$64.85



CAMCORDERS
PV-10203 10x Zoom
PV-10303 With Light
PV-10403 Color Viewfinder
PV-10503 Color Viewfinder
PV-43 10x Zoom, E.I.S.
PV-80 12x Zoom
PV-810 w/Case & Light
PV-5770 Super-VHS

VIDEO RECORDERS
VHS HQ



PV-2301 All Ch. Auto Set
PV-4301 4 Head
PV-4311 4 Head
PV-4351 4 Head, Hi-Fi
PV-4361 VCR+ Built-in
PV-4366 S-VHS, VCR+
PV-4380 Jog Shuttle

ACCESSORIES
PV-A118 Batt. Charger
PV-C80 Car Batt. Cord
PV-G40 Char. Generator

Panasonic
VHS



PV-10403 10x POWER ZOOM
Color Viewfinder
1 Lux Low Light
• Flying erase head
• Digital auto tracking
• 10x power zoom
• Full auto operation
Call for Price



VHS-C CAMCORDERS
GR-AW1 Weatherproof
GR-M3* 1 Lux
GR-M5* w/ Video Light
GR-AX25 10x Power Zoom
GR-AX35 Assemble Edit
GR-AX55 10x Power Zoom
GR-AX75 D.I.S.
GR-AX50* Color finder
GR-M7 Pro* 11x Zoom
GR-SX90* Super VHS-C
GR-SZ1* Super-VHS-C

* Comes with JVC case

JVC
Palm-Size VHS-C Camcorder



GR-AX55 10x Power Zoom Lens
Built-in Video Light
• 2 lux low light
• Multi-brand remote
• Program AE w/special FX
w/JVC hard case
CALL FOR PRICE

VIDEO RECORDERS

HR-J200 Multi-brand remote
HR-J400 4 Head
HR-J404 4 Head, VCR+
HR-J600 4 Head, Hi-Fi
HR-DX62 4 Head, Hi-Fi
HR-VP604 VCR+
HR-VP700 Flying Erase Head

S-VHS VCRs
HR-S 4700 TS Head Drum
HR-S 6800 Hyper Bass
HR-S 6900 S-VHS VCR+

Panasonic
TELEPHONES/ANSWERING MACHINES



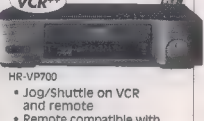
• KX-T3705 • KX-T3730
• KX-T3848 • KX-T3980
• KX-T4000 • KX-T4400
• KX-T2250 • KX-T2310
• KX-T2370 w/Caller ID capability
Call for More!

Panasonic
MULTI LASER DISC PLAYER



Multi Laser
• LX-600 Auto Reverse
• LX-900 Advanced Digital
• LX-101 5-Disc Compatible
• LX-K700 Karaoke to movie

JVC
4 Head • Hi-Fi • VCR+
Flying Erase Head



HR-VP700
• Jog/Shuttle on VCR and remote
• Remote compatible with 10 major TV brands
• Automatic 1/2 segment, random assemble editing
CALL FOR PRICE

JVC
Mini Component Systems



MX-S2 Live Surround
MX-S4 27 Watts per Chan.
MX-C5 6+1 Disc
MX-C7 6+1 Disc
MX-C9S Top of the Line
CALL FOR PRICE

8mm CAMCORDERS

E230* 10x Case, Light
E250* 10x 2m. Case, Light
E520 Pop-Up Light
UC1 ULTRA-Compact
UC1 Color Color Viewfinder
UC20* 10x Zoom
UCS2 12x Zoom
UCS3 Hi-Band
A1 Digital Hi-8, 10x Zoom
L1 15x. Top of the Line
Var-Angle Prism Lens

* Comes with Canon Case

VIDEO EDITOR

Four scene auto-assembly memory.
Built-in 12-hr. clock
CALL FOR PRICE

Multi-Battery Charger/Recharger

Charges and refreshes up to 4 Canon battery packs.
CALL FOR PRICE

Video Light

20W output. Runs for approximately 35 minutes per charge. Uses BP-E722 battery.
CALL FOR PRICE

Rain Shield

Lets you keep shooting in light rain or mist. Protects your camera from moisture.
CALL FOR PRICE

L1 Accessories

EXTENDER CL 2X
This 2x teleconverter doubles the focal length of Canon VL mount lenses without degrading image sharpness.

3X ZOOM LENS
Get great wide angle shots with the CLS-15 zoom lens. Use for architectural & group pictures.
CALL FOR PRICES

MINOLTA
Authorized Minolta Dealer



Master-Pro 8-918
VCT-910 1.5x Tele
VLW-910 0.65x Wide
VCS-910 System Case

Nikon
Authorized Nikon Dealer



VN-750 Hi-8 • StableShot™

RICOH
Authorized Ricoh Dealer



8mm CAMCORDER
R-87H Super Fast Zoom
R-18H E.I.S., 10x Zoom

TRIPODS



bogen SLIK Velbon
PHOTO • VIDEO TRIPODS
Call For Best Prices!

PERSONAL CHECKS WELCOME

Prices subject to verifiable manufacturer's price increase

All Equipment is **BRAND NEW** and **FULLY GUARANTEED**

OPEN SUNDAYS 7 DAYS A WEEK

Prices good for mail order only. Shipping and handling are extra. Returns and exchanges may be made within 14 days of receipt of merchandise with prior authorization only (call Customer Service for a Return Authorization Number). Non-defective merchandise returned for refund will be subject to a restocking fee: 5% if box is unopened (still sealed); 10% if box has been opened.

**ORDERS ONLY
CALL TOLL FREE**

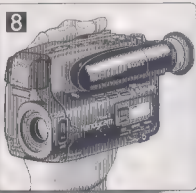
1-800-222-1557

TOP RATED PHOTO & VIDEO MAIL ORDER DEALER

Overnight Delivery Available!



No Credit Card Surcharge!



HITACHI
Authorized Hitachi Dealer



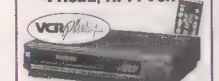
8mm CAMCORDERS
VM-E53A w/hard case, light
VM-E55A EIS, hard case, light
VM-H33A Hi-Band
VM-H39A Hi-Band
VM-SP1A Water Resistant

VHS CAMCORDERS
VM-1600A 12x Power Zoom
VM-2600A 24x Digital Zoom
VM-S8200A Super-VHS



VIDEO RECORDERS
VTM-161A Quick Start
VTM-270A 4 Head
VTM-272A VCR Plus+
VTF-361A 4 Head, Hi-Fi
VTF-362A VCR Plus+
VTF-370A New!
VTF-462A SX-S Head
VTF-551A SX-S Head

HITACHI
4 Head, Hi-Fi VCR



**Flying Erase Head
VCR+ Programming**
• Shuttle Ring Operation
• Real Time Counter
• Illuminated Remote Control
CALL FOR PRICE

HITACHI
Hi-8 Ultra Compact



**16x Digital Zoom
Electronic Image Stabilizer**
• 2 lux low light
• Hi-Fi stereo
• Only 1.3 lbs!
With Hitachi soft case & video light
CALL FOR PRICE

HITACHI
Hi-8 Ultra Compact



**16x Instant Zoom
Electronic Image Stabilizer**
• 1 lux low light
• Character generator
• Flying erase head
With Hitachi hard case & video light
CALL FOR PRICE

RCA
Authorized RCA Dealer



8mm CAMCORDERS
Pro 807 8x Zoom
Pro 808 8x Zoom
Pro 830 10x Zoom
Pro 840 12x Zoom
Pro 885HB Hi-Band
RCA 8mm Hard Case
RCA 2 hr. battery (B8120)

VHS CAMCORDERS
CC-412 12x Zoom
CC-540 12x Zoom
CC-507 16x Zoom
CC-187 w/ Remote



VIDEO RECORDERS
VR-319 2 Head
VR-320 2 Head
VR-506 4 Head
VR-526 Built-in VCR+
VR-536 Front Panel A/V
VR-657HF Hi-Fi 4 Head
VR-662HF Built-in VCR+
VR-667HF Built-in VCR+
VR-800HF 8mm Hi-Fi

RCA
8mm Hi-Fi Stereo VCR



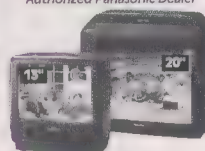
VR-800HF
• Hi-Fi stereo
• VCR+ system built-in
• 3-head video system with special effects
• Flying erase head
• Universal remote controls up to 30 diff. brands of TV
CALL FOR PRICE

Quasar
Authorized Quasar Dealer



TV/VCR COMBO
VV-1213 13" TV/VCR
VV-1220 20" TV/VCR

Panasonic
Authorized Panasonic Dealer



Color TV/VCR Combo
PV-M1321 13" TV/VCR
PV-M2021 20" TV/VCR

SHARP
Authorized Sharp Dealer



VHS CAMCORDERS
VL-L290U 12x Zoom
VL-L630U Under 1 Lux
Comes w/ soft case
8mm CAMCORDERS
VL-H1 12x Power Zoom
VL-E30 3" Monitor Viewcam
VL-HX10 Hi-Band
VL-HL100 4" Monitor Viewcam

SHARP
4" Color LCD Viewcam



Easy to see, 4" color screen for no-strain shooting & playback that everyone can see & hear!
• Artificial Intelligence
• Hi-Fi stereo
• Digital Image Stabilizer
Call for Prices

VIEWCAM ACCESSORIES
• Car Battery Cord
• Sun Hood
• Wide Lens
• Sports Pack

SONY
Universal Remote

• Compatible with most major brands • Controls TV, VCR & cable box
\$1985
Easy-to-Use

TAMRON
Authorized Tamron Dealer

FOTOVIX III-S



Enjoy your photographs on TV! Also record them on video from your slides & negatives.
TV not included
Photovix III-S 4-Video
Photovix II-X Multi-Format
Conversion Lens Kit
Standard Combo Carrier Set

VIDEO LENSES



Kenko
Tokina
raynox
Call For Best Prices!

FUJII
Authorized Fujii Dealer

Fujix F60W 12x Zoom
Fujix F122SW Color View
Fujix H128 Hi-8

FUJIX
COMPACT VIDEO PROJECTOR



P-701U
Enjoy Your Videos in Big-Screen Color Without a TV!
Just hook it up to your TV, camcorder, VCR, etc., aim it at a wall or screen & watch big, bright home videos!
• P401U Call

Kodak
Photo CD Player



\$100 Savings!
Ask for Details
The Photo Album of the 90s!
Browse through your "photo album" on your TV! Fun to watch, fun to share with friends & family. Kodak-quality, bright color photos as big as your screen.

• PCD-250 3-yr. warranty, Call
• PCD-850 3-yr. warranty, Call
• PCD-5850 3-yr. warranty, Call
• Mailer Call
Call for Price & Information

STEADICAM JR
Allows you to make smooth pans, & professional-looking action or sports videos.
CALL FOR BEST PRICES!

CITIZEN
Authorized Citizen Dealer



M529 Mark II
12V Car Adapter
M938, T740 New!
AC Adapter
TV Tuner

tamrac



COMPLETE TAMRAC PHOTO & VIDEO BAG LINE IN STOCK

SONY GENERAL AUDIO & TELEPHONES

WALKMAN	DISCMAN	FEATURE PHONES
WM-EK10 WM-FX10 WM-FX22 WM-FX41 WM-FX45 WM-F2085 WM-FX52 WM-FX56	WM-WX50 WM-D3 WM-D6C WM-CX30 SRF-39 SRF-H2 SRF-HM20 SRF-88	SFR-M33 SFR-M43 SFR-M50 SFR-M70 WM-SXF10 WM-SXF30 WM-SXF33 WM-F2078
ICF-SW15 ICF-SW800 ICF-SW33	ICF-SW7600 ICF-SW15 ICF-SW77 ICF-SW55	ICF-2010 ICF-SW77 ICF-SW55
DAT WALKMAN	CD CASSETTE RECORDERS	ANSWERING PHONES
TCD-D7 WM-DT1	CFD-58 CFD-30 CFD-100	CFD-475 CFD-460 CFD-758 CFD-703
CORDLESS PHONES	ANSWERING MACHINES	
SPP-A20 SPP-A40 SPP-A60 SPP-X90 SPP-320 SPP-190	SPP-190 SPP-170 SPP-160 SPP-D15 SPP-95 SPP-57	IT-A3000 IT-A2500 IT-A505 IT-A205 IT-A555 IT-A500 TAM-50 TAM-1000



• Best Quality TV Selection! Call

MINI BOOKSHELF HI-FI STEREO AUDIO SYSTEMS

JVC	SONY
• MX-S2 AM/FM • CD • Dual Cass. Call • MX-S4 AM/FM • CD • Dual Cass. Call • MX-C5 5 CD Changer Call • MX-C9S Satellite. spkrs., subwfr. Call	• MHC-510 AM/FM, Cass/CD Call • MHC-610 AM/FM, Cass/CD Call • MHC-1750 5 CD Changer Call • MHC-2750 5 CD Changer Call • MHC-3750 5 CD Changer Call

All returned merchandise must be in new condition and must include all packaging and printed material in original, unaltered condition. Shipping and handling charges are non-refundable. Some items are one per customer. All orders are subject to verification and acceptance. Camera World is not responsible for typographical errors. Prices subject to change without notice. ALLOW 2-6 WEEKS FOR BACK ORDERS.

Circle 35 on Reader Service Card.

OPEN SUNDAYS
7 DAYS A WEEK
All Equipment is BRAND NEW and FULLY GUARANTEED
Prices subject to verifiable
manufacturer's price increase
PERSONAL CHECKS WELCOME

Is your Cable Company Alienating You?



Say NO to unearthly rental fees!

Owning your cable equipment saves you the high cost of monthly equipment rental charges, and gives you control of your TV.

We have the *Best* in

CONVERTERS and DESCRAMBLERS!

Everquest • Panasonic • Jerrold • Zenith • Pioneer
Scientific Atlanta • Oak • Eagle • Hamlin • Tocom

1 800 624-1150

**FREE
Catalog!**

MD Electronics

875 S. 72 Street • Omaha, NE 68114



**CALL
TODAY!**

Circle 36 on Reader Service Card.

what you printed, it doesn't require a specialized interface.

Steve Channon
San Jose, California

A Reader David Ashcroft was looking for a very small pencil-sized camera, comparable to what he saw in the movie *Patriot Games*. The Sony CCD-G1 camera (which is no longer made, although a few may still be in stores) doesn't qualify, even if the detachable optical viewfinder is removed. It does come with exactly the right cable to fit a GV-500 Video Walkman, but miniature cameras from other manufacturers would require special wiring to make them work.

Q I've recently taken an interest in making home videos, but am confused by many of the terms and abbreviations. Is there a glossary you can direct me to?

Albert Lange
Montague, California

A Almost any large bookstore carries dozens of books on home video, most of which have glossaries in the back. The public library has even more to peruse, for a lot less money.

The Consumer Electronics Group of the Electronic Industries Association publishes a pretty good glossary of terms that also covers other electronic areas, such as computers. You can purchase a copy directly from the EIA. Write to 2001 Pennsylvania Ave. N.W., Washington, DC 20006-1813, or phone 202-457-8700, or fax 202-457-4901. ►

PAL & MULTI SYSTEM HEADQUARTERS OF AMERICA

ALL VIDEO, & T.V.'s for AFRICA, AUSTRIA, ENGLAND, FRANCE, GERMANY, GREECE, INDIA, ITALY, POLAND, RUSSIA, MIDDLE EAST & MANY OTHER COUNTRIES.

VCRs

AIWA PANASONIC
AKAI JVC SHARP
HITACHI SONY
INSTANT REPLAY TOSHIBA



AG-W1: VHS Hi-Fi Video Cassette Recorder with the World TV Broadcast Signal Conversion System

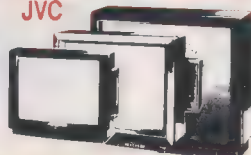
CAMCORDERs

CANON
JVC
NATIONAL
PANASONIC



TELEVISIONS

FUNAI SHARP
GRUNDIG SONY
HITACHI TOSHIBA
JVC



ALL TV'S, VCR'S & CAMCORDER'S FOR THE ENTIRE WORLD.

SPECIALS

VCR SPECIAL \$249
CAMCORDER SPECIAL \$649
20" COLOR T.V. \$399
TV/VCR COMBO \$549
UNIVERSAL VCR \$1399

SPECIAL C.O.D. DISCOUNT

WHOLESALE PRICES

SPECIAL C.O.D. DISCOUNT

ALL OUR TV'S & CAMCORDER'S COME COMPLETE WITH CHARGER, BATTERIES, CABLES & REMOTE CONTROLS. ALL SUPPLIED ACCESSORIES INCLUDED IN OUR WHOLESALE PRICES. CHECK THE COMPETITION! THERE ARE FACTORY COMPLETE WITH ALL ACCESSORIES.

ELECTROWORKS, INC.

From Canada 1 (800) 344-2855

FOR ALL INFORMATION 908-566-7100

FOR ORDERS ONLY 1-800-662-8559

100 HWY 31 • MATAMoras N.J. 07747

SUN 10-6 • MON-FRI 9-8

24 HOUR FAX (908) 566-8234

DELIVERY OR WITHIN 7 DAYS IN FACTORY (SERIALIZED BOXES ONLY) AND ARE SUBJECT TO RESTRICTIONS. SEE US ACCESSORIES: 20" TV'S, DISCOVER AND MORE.

Circle 37 on Reader Service Card

STEP INTO THE FUTURE OF CAMERA & VIDEO TECHNOLOGY

SUPREME



1-800-332-2661



IN CANADA CALL 1-800-241-2661, OVERNIGHT DELIVERY AVAILABLE, MONEYBACK GUARANTEE

Panasonic

"AMAZINGLY SIMPLE, YET SIMPLY AMAZING"



PVIQ203.....529 PV43.....849 PV810.....Call
PVIQ303.....588 PV53.....899 PVS770.....1058
PVIQ403.....Call PVS63.....Call AG3.....Call
PVIQ503.....Call PV800.....549 AG455.....Call

SONY

"AMERICA'S MOST POPULAR MOVIE MAKERS"



FX420588 VX3.....In Stock TR200.....849
FX520639 TR61.....689 TR3001029
FX620Call TR77Call TR805 PAL...Call
FX710799 TR101...Closeout TR8E PAL....999

JVC

"POWERFUL PICTURES IN THE PALM OF YOUR HAND"



Grax 35599 Grm 5.....569 GRSX90.....788
Grax 55Call Grm 7.....749 GRS-Z1.....Call

Canon

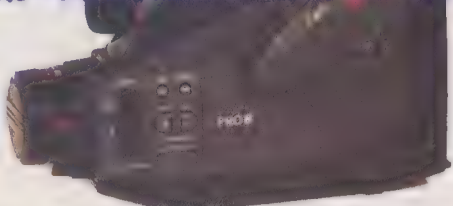
"TOP QUALITY PRECISION LENSES LIKE NO ONE ELSE"



E250.....The A-1 Digital...The UC-20.....Call
E350.....Best L-1 PROBest UCS1For
E520Lenses UC-1C ...Picture UCS2.....Prices

RECA

"SUPERB PERFORMANCE PLUS QUALITY OPTIONS"



Pro 807Call Pro 840.....New CC177.....Call
Pro 808Call Pro 870.....Call CC187.....Call
Pro 830.....New Pro 883.....Call CC188.....New

HITACHI

"THE LEADER IN CAMCORDER IMAGING"



VME25629 VMH38848 VM2600.....649
VME53679 VMH39 w/Case & LightCALL
VME55Call VM1600.....Call VMS8200...Call

SUPREME CAMERA & VIDEO 2123 UTICA AVE. BROOKLYN NY 11234 718-692-4110 OR FAX 718-692-4760

All merchandise is brand new. Prices are for mail order only. Must call retail store for retail prices and availability. 7 Day Money Back Guarantee. Must call for prior authorization. All items returned require a return authorization # and must be in brand new, factory sealed, mint condition with unexpired warranty cards. 7 DAY EXCHANGE POLICY PERTAINS TO ITEMS SENT BACK WITH APPROVAL & WILL BE EXCHANGED ONLY FOR THE SAME ITEM. DEFECTIVE UNITS WILL BE TESTED. No exceptions. We reserve the right to limit quantities. Shipping, handling and Insurance fees are not refundable. Returns on equipment are subject to a 25% restocking fee, some units may be parallel imports and USA.

DIGITAL HOLLYWOOD

LaserDiscs

20% OFF ALL TITLES!!

VALID UNTIL: SEPT. 30, 1993

~ **FREE SHIPPING** ~

(CONT. US ONLY)

VISA, MASTERCARD, CHECK

CALL TODAY FOR A FREE CATALOG

Beauty and the Beast Complete Theatrical Version



AVAILABLE ON LASERDISC 9/29/93

**31441 Santa Margarita Pkwy., #A276
Rancho Santa Margarita, CA 92688
(800) 432-1412 • (714) 858-4708
FAX (714) 858-4708**

Circle 39 on Reader Service Card.

CABLE TV DESCRAMBLERS

Best Prices in the U.S.A.!
Guaranteed to Work!

QUANTITY DISCOUNTS



**JERROLD PANASONIC
SCIENTIFIC ATLANTA PIONEER**

The Newest & the Latest

- DMTB-A** - all Jerrold Impulse & Starcom series
- SA3-DFA** - all Sci. Atlantas incl. 8536, 8536+, 8580, Drop-field
- PN-3A** - all Pioneer systems

ALSO

FTB3, SA3, TZPC145G

**24 HOUR SHIPMENTS
30 DAY MONEY BACK GUARANTEE
FREE CATALOG & INFORMATION**

1-800-772-6244

M-F: 9-6 EST

U.S. Cable TV, Inc. Dept.: KVM093

4100 N. Powerline Rd. Bldg. F-4 Pompano Beach FL 33073

NO FLORIDA SALES!

Circle 40 on Reader Service Card.

Q What are sound dub and sound-on-sound? My Nikon VN750 Hi8 camcorder doesn't have this feature and I've been told it isn't available on 8mm gear. But I have seen it offered on VHS camcorders.

Albert Lange
Montague, California

A Sound dub, better known as audio insert or audio dub, adds new audio to a tape without affecting the video. Sound-on-sound is a term you usually hear in pro audio circles. It refers to the multitrack recording process used to make albums—each instrument is recorded on a separate track, and parts are gradually added.

Because the 8mm format records the audio and video signals together, it's not possible to dub in new sound without recording over the existing video. The exception to this rule is the digital PCM stereo that can be dubbed (since it's recorded on a separate part of the videotape), provided you buy the right VCR. Sony's EV-S3000 Hi8 VCR offers this feature, but it is seldom found on camcorders.

VHS VCRs and camcorders that offer audio dub do so because the new audio goes onto a separate part of the tape—a 1mm strip along the top edge. Since audio fidelity relies on the forward speed of the tape (maximum 3.335 cm/sec. at SP), the quality isn't as good as the hi-fi soundtrack, which is recorded using the rotating video heads but can't be dubbed.

If you don't want to buy a Hi8 VCR, an alternative is to dub or edit the original tapes to S-VHS, carrying over the original audio to a new VHS hi-fi soundtrack, which also gives you the ability to add a supplemental soundtrack to the linear audio track, or even replace the hi-fi audio when the copy is being made. An S-VHS editing VCR can even do a crude version of sound-on-sound—just record the original sound on the hi-fi tracks, dub in the new sound on the linear audio track, and set the VCR's audio monitor switch to mix.

Q I'm very concerned about the stability of videotapes that I buy with antitheft devices attached, as well as kitchen magnets which I sometimes pass close to a prerecorded cassette. Is there any possibility these could erase or damage the tapes?

M. Shulman
Brooklyn, New York

A Not to worry. The devices used to thwart theft of videocassettes and other products won't harm the tapes in

any way. As for kitchen magnets, even placing one an inch or less from the surface of the tape won't significantly disturb the signal. I know because I've tested this. But other magnets have different degaussing properties. Alnico magnets (often found inside speakers) are much more powerful than the flexible ceramic magnets often used for refrigerator door doodads.

However, if you touch a ceramic magnet to the surface of the videotape (something you're not likely to do accidentally) and draw the tape across its surface, it will be erased. This technique is so effective it's used in a number of combination tape rewinder/erasers, which position a highly polished permanent magnet against the surface of the tape during the winding mode, effectively removing all vestiges of any recording, including audio, video and control tracks.

Q I have two JVC HR-S6700 S-VHS VCRs. When I do insert edits in standard VHS, the beginning of the insert is very smooth but the end point sometimes has a slight jitter. S-VHS is always smooth at both the beginning and end of the edit. Why is there a difference between these two formats, or is there a problem with one of these decks?

Demetrius S. Butler
Dale City, Virginia

A Since I own a JVC HR-S6700, I immediately tested it to see if what you describe occurs with my machine. It didn't. Whether in S-VHS or VHS, both the beginning and ending of the edit points were smooth and without jumps or distortion. However, all my tests, including the edits, were made on the same machine. In such a case, the width of the heads and tracks recorded on tape are optimized to work well with the width of the single flying erase head found in this deck.

When I inserted a camcorder tape made in SP, where I knew the width of the heads (and therefore the tracks) was narrower than those made by the 6700, I did detect a bit of roughness at the end of the edit. This test was made in standard VHS, since that was the format of the tape I edited. So if your original tape came from a source other than one of your 6700s, the possibility of a track-width mismatch may be contributing to your problem.

If that's not the case, it's possible one of the VCRs is slightly misaligned. Before taking it in for service (assuming you consider the problem worth the time, expense and hassle of a non-warranty repair), why not reverse the roles of the two decks?

THE ELECTRONIC MAILBOX

THE VIDEO EDITING & PRODUCTION EXPERTS



800-323-2325

10-12 Charles Street, Glen Cove, NY 11542
IN NY 800-634-1901 For Information 516-759-1611 Fax 516-671-3092

**TECHNICAL
ADVICE HOTLINE**
516-759-1943
call Phil or Gary

**COLOR
TITLES
FOR UNDER \$200⁰⁰**

AMBICO VIDEO TITLEWRITER

**EASY TO USE
COLOR CHARACTER GENERATOR
FOR UNDER \$200**

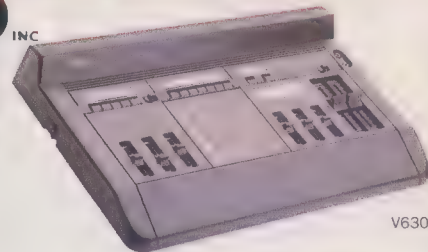


V6350

SVHS/ Hi8
Compatible

Now everyone can add titles to their home videos. The Ambico V6350 Video Titlewriter is easy to use and features a standard Qwerty keypad. In addition to adding titles in 8 different colors, 4 sizes, 3 border styles and 2 different fonts, you have a wide variety of titling effects to choose from. You can scroll titles up the screen or across it at variable speeds, fade titles in or out, wipe title pages in or out using several different wipe patterns, or flash the title page on & off. Titles can be superimposed over video, or the V6350 can generate a black or white background. SVHS/Hi8 compatible - 10 pages of memory-manual or automatic playback-Plus Spanish or French Lettering.

ONLY \$199⁰⁰



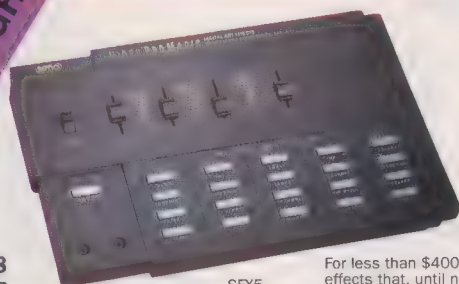
V6300

AUDIO/VIDEO EDITING EFFECTS MIXER

This state of the art device has all of the features necessary to turn drab, everyday videos into real productions. Features include fades and wipes to color backgrounds (patterns and colors can be combined to allow literally hundreds of combinations). Two videos can be edited into one final production by utilizing the special effects mentioned above. Narration &/or background music can be mixed with original soundtrack, & a mic is included.

SALE! \$269⁰⁰

**DIGITAL
TECHNOLOGY
BREAKTHROUGH**



SFX5

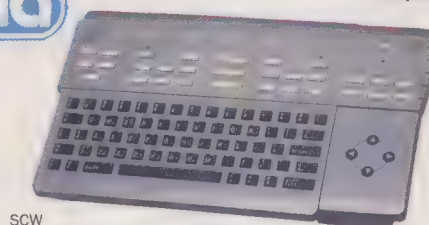
VideoPro Magic Professional Digital Effects Generator

For less than \$400.00 you can create amazing studio effects that, until now, cost \$1500 & more!! VideoPro Magic features:

- **PICTURE-IN-PICTURE** Combine 2 video sources by adding full motion or still PIP in any corner on the screen.
- **FREEZE FRAME**
- **STROBE** High, medium & low speeds
- **MULTISCREEN** Display 4 or 9 still frames on one screen. PLUS any 1 frame can be in full motion
- **MOSAIC** 2 sizes & Positive/Negative
- **PAINT** Dramatic color posterization

Plus includes an audio mixer for adding narration and/or music!

INTRODUCTORY SPECIAL \$399⁰⁰



SCW

ColorWriter Magic

**Full Color Electronic Titler
with Special Title Effects**

Put your titles into motion and create unique Hollywood effects. Titles can converge on screen from opposite sides, crawl onto screen letter by letter, line by line, or page by page, scroll and then freeze, and more!

Features deluxe full size keyboard, S-VHS and Hi8 compatibility, & 12 page memory. Letter choices include 8 colors, 4 sizes, outlining and boxing.

INTRODUCTORY SPECIAL \$259⁰⁰

SVHS/ Hi8
Compatible



Multiscreen



Mosaic

THE ELECTRONIC MAILBOX INTRODUCES A COMPLETE HOME EDITING SYSTEM

SYSTEM 2000

**It's everything you need to
edit & produce great looking,
fun to watch videos!**



VIDICRAFT VidiMate

With SYSTEM 2000 You Can:

- Edit, Remove & Rearrange Footage
- Add Color TITLES & Graphics
- Fade & Wipe to Color Backgrounds
- Enhance for better sharpness & detail
- Correct improper White Balance and Adjust Brightness
- Add Music & Narration



**VIDEONICS
EditMaker**

SYSTEM 2000 includes the Videonics Editmaker, Vidicraft VidiMate 200, all hook-up cables plus our exclusive easy-to-follow how to booklet with hook up instructions and diagram.

System 2000 requires 2 VCRs or a VCR and a camcorder with Sony control L (LANC)

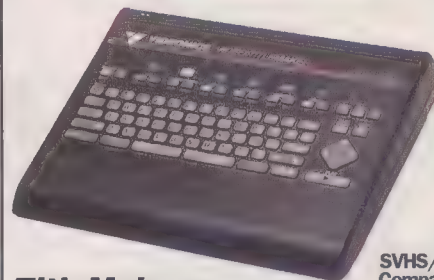
\$599^{00*}

SYSTEM 2000

Also Available: SYSTEM 3000 (FOR SVHS/Hi8) \$699^{00*}

* System 2000 & 3000 prices include \$50⁰⁰ off coupon

VIDEONICS



SVHS/ Hi8
Compatible

TitleMaker

**THE ONLY COLOR TITLER WITH SMOOTH
LETTERING**

- HIGH RESOLUTION
- 1 million colors
- 12 fonts in 4 sizes
- 100 pages of memory
- Shadowed, outlined or bold
- 8 variable scroll speeds
- Full size keyboard
- 24 fade & wipe effects

\$399⁰⁰

Closed Sept
16-17 & 30

29 WEST 35TH STREET, N.Y. N.Y. 10001
BET 5TH AND 6TH AVENUE

FOR ORDERS ONLY
CONTINENTAL U.S. AND CANADA

TOLL FREE

1-800-366-6993

DISCOVER
VISA

We have the best selection of Extended Warranty from 24.95 & Up

PANASONIC

CAMCORDER

PV 800 589.00 PV 10203 569.95

PV 810 529.00 PV 10432 579.95

PV 760 469.00 PV 10432 579.95

PV 570 1089.00 PV 10503 729.00

PV 53 949.00 PV 32 619.00

PV 53 949.00 PV 32 619.00

PV 562 999.95 PV 3272 1099.00

PV 2301 189.00 PV 4780 599.00

PV 4301 209.00 PV 4930 349.00

PV 4311 219.00 PV 4962 389.00

PV 4314 239.00 PV 4960 299.00

PV 4315 249.00 PV 4970 419.95

PV 4361 329.00 PV 0550 249.00

PV 4362 349.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

PV 5368 429.00 PV 0550 249.00

CANON

We Accept The Canon Credit Card

A1 Digital 1149.00 H-850 649.00

E-808 699.95 UC-20 729.00

E-520 599.00 UC-12 729.00

E-657 699.00 UC-11 799.00

E-640 699.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

E-520 599.00 UC-12 729.00

PAL VIDEO

SONY VCR

CCD-FX500 819.95

CCD-FX700 819.95

CCD-FX800 819.95

CCD-FX900 819.95

CCD-FX1000 819.95

CCD-FX1100 819.95

CCD-FX1200 819.95

CCD-FX1300 819.95

CCD-FX1400 819.95

CCD-FX1500 819.95

CCD-FX1600 819.95

CCD-FX1700 819.95

CCD-FX1800 819.95

CCD-FX1900 819.95

CCD-FX2000 819.95

CCD-FX2100 819.95

CCD-FX2200 819.95

CCD-FX2300 819.95

CCD-FX2400 819.95

CCD-FX2500 819.95

CCD-FX2600 819.95

CCD-FX2700 819.95

CCD-FX2800 819.95

CCD-FX2900 819.95

CCD-FX3000 819.95

CCD-FX3100 819.95

CCD-FX3200 819.95

CCD-FX3300 819.95

CCD-FX3400 819.95

CCD-FX3500 819.95

CCD-FX3600 819.95

CCD-FX3700 819.95

CCD-FX3800 819.95

CCD-FX3900 819.95

CCD-FX4000 819.95

CCD-FX4100 819.95

CCD-FX4200 819.95

CCD-FX4300 819.95

CCD-FX4400 819.95

29 WEST 35TH STREET, N.Y., N.Y 10001
BET. 5TH AND 6TH AVENUE

SMILE PHOTO

VIDEO ACCS

WHX PRO	159.95	WR 2 Pro	149.95
WMS-PRO	149.95	WM/T-30	54.95
WLX-PRO	134.95	EC2-990	54.95
WM/T-PRO	109.95	EC2-770	52.55
WL/T-PRO	72.95	EC2-660	49.95
WR-PRO	72.95	EC4-440	39.95
WMS-200	89.95	DMH-80S	49.95
WMS-100	79.95	HS-7V	18.95
WMS-30II	89.95	CM 3	44.95
VIDIPIX	34.95	TRANSFER-IT	24.95


JVC	
MZ-350 Zoom Mic	74.95
MZ-707 Stereo Zoom Mic	129.95
WM-VII Wireless Mic	119.95

NADY	
------	--

POWER PACKS

880 Power Pro + 12 Volt 10 AMP .. 279.
970 Power Max 12 Volt 14 AMP 389.
Available dual output configurations include
cigarette lighter, 4-pin or 5-pin XLR in a

VIDEO TRANSFER SYSTEM, WITH
BUILT IN STEREO SOUND MIXER.



Easily transfer home movies, slides, & photos up to 4" X 6" to video. Stereo Sound Mixer let's you add background Music and Narration as you copy **114.95**

HEWLETT PACKARD

29.95	HP 95LX	364.95
54.95	HP-32SII	46.95
54.95	HP-48S	109.95
64.50	HP-42S	79.95
109.95	HP-48 SX	149.95
29.95	HP-48 G	124.95
		244.95
Printer		92.95
Printer Interface Module		59.95
Ports for 48SX		79.95
Printer/Battery Charger		19.95
128K	47.95	119.95
128K	119.95	229.95
1 Megabyte		539.95
2 Megabyte		429.95
3 Megabyte		234.95
4 Megabyte		234.95

PIONEER

RECEIVERS		
SK-201	139.00	VSK-512S 339.00
SK-251R	159.00	VSK-D002S 439.00
VSK-312R	175.00	VSK-D020S 509.00
VSK-402	199.00	VSK-D902S 899.00
VSK-452	229.00	VSK-D15H 929.00
VSK-502		
CD PLAYERS		
PD-102	119.00	PD-M702 389.00
PD-202	134.95	PD-M802 229.00
PD-M502	159.00	PD-M902 259.00
PD-M552	169.00	PD-TM3 309.00
CASSETTE DECKS		
CT-W502R	139.00	CT-W602R 199.00
CT-W402R	149.00	CT-W602R 239.00
CT-W502R	159.00	CT-WM62R 299.00
LASER DISC PLAYERS		

☐ **Bill me**
for a year of VIDEO
(12 issues) at the low basic
subscription rate of **\$15.00** (You save 56%
off the \$35.40 newsstand price.)

☐ **My payment of \$15.00 is enclosed -- add two bonus copies for paying now!** (You save us the cost of billing and we'll send you 14 issues for only \$15.00.)

Please allow up to 60 days for first copy. In Canada, \$21 plus \$1.47 GST (R125938423). For foreign countries, \$40. Canadian and foreign orders must be prepaid in U.S. funds.

Name _____ (please print)

Address _____

City _____ State _____ Zip _____

☐ **Bill me**
for a year of VIDEO
(12 issues) at the low basic
subscription rate of **\$15.00** (You save 56%
off the \$35.40 newsstand price.)

☐ **My payment of \$15.00 is enclosed -- add two bonus copies for paying now!** (You save us the cost of billing and we'll send you 14 issues for only \$15.00.)

Name _____ (please print)
Address _____
City _____ State _____ Zip _____

VIDEO

**LIGHTS...CAMERA...
SAVINGS!**

☐ **Bill me**
for a year of VIDEO
(12 issues) at the low basic
subscription rate of **\$15.00** (You save 56%
off the \$35.40 newsstand price.)

☐ **My payment of \$15.00 is enclosed -- add two bonus copies for paying now!** (You save us the cost of billing and we'll send you 14 issues for only \$15.00.)

Name _____ (please print)
Address _____
City _____ State _____ Zip _____

VIDEO

Please allow up to 60 days for first copy. In Canada, \$21 plus \$1.47 GST (R125938423). For foreign countries, \$40. Canadian and foreign orders must be prepaid in U.S. funds.

State residence add Sales tax
and may be additional. Return
orders are subject to verification.

Circle 42 on Reader Service Card

Closed Sept.
16-17 & 30

29 WEST 35TH STREET, N.Y., N.Y. 10001
BET. 5TH AND 6TH AVENUE

FOR ORDERS ONLY
CONTINENTAL USA AND CANADA
TOLL FREE
1-800-366-6993



SMILE PHOTO

We have the best selection of Extended Warranty from 24.95 & Up

PANASONIC		RCA	
CAMCORDERS		CAMCORDERS	
PV-800	589.00	PV-10203	569.95
PV-810	625.00	PV-10203	569.95
PV-760	869.00	PV-10403	574.95
PV-570	1089.00	PV-10503	729.00
PV-535	949.00	PV-332	619.00
PV-45	869.00	PV-362	739.00
PV-562	999.95	PV-372	919.00
PV-563			1099.00
VCR's		VCR's	
PV-2301	189.00	PV-54280	599.00
PV-4301	209.00	PV-54990	949.00
PV-4311	219.00	PV-4962	389.00
PV-4314	239.00	PV-4960	259.00
PV-4351	269.00	PV-4970	419.95
PV-4361	329.00	PV-C500	249.00
PV-4362	349.00	LX-900	599.00
PV-4360	659.00	LX-1000	579.00
PV-54566	429.00	LX-200	429.00
PV-54566	389.00	LX-1000	599.00
PV-54566			784.00

PANASONIC PROFESSIONAL

CAMCORDERS	
AG-195	CALL AG-455 1499.95
AG-185	699.00 AG-450 1029.00
AG-3	2399.00 AG-460 2299.00
WV-7250	Dockable Package CALL
VCR's	
AG-1270	244.95 AG-5700 1229.00
AG-1740	295.00 AG-11 1449.00
AG-1970	CALL WJ-MX30 CALL
AG-2520	369.00 WJ-MX50 3850.00
WJ-AV65	1159.99 WJ-MX50 429.00
AG-A95	244.95 WJ-KR15A 209.95
AG-A96	319.00 WJ-TTL5 219.95
WJ-CDS	229.95
AG-EP60	Video Printer 949.00
S-VHS VCR's	
AG-7150	CALL AG-7400 CALL
AG-7150	CALL AG-7650 CALL
AG-7355	CALL AG-7750 CALL
MONITOR/VCR COMBO	
AG-505 S	989.00 AG-550 10 729.00
AG-513 13	459.00 AG-560 10 789.00
AG-520 20	429.95
MONITORS	
CT-1030M	299.00 CT-203Y 339.00
CT-1331Y	399.00 CT-203BY 389.00
CT-1383Y	254.95 CT-1383BY 289.00
CT-2000M 19	Multi System 699.00

VIDEO PROJECTORS

PT-101L LCD Video Projector	699.95
PT-101Y S-VHS Video Projector	CALL
PT-301Y S-VHS up to 30" Screen	CALL

SONY

CAMCORDERS	
CCD VXC Hi-8 3 Chip	3149.00
CCD TR200	899.95 CCD SP9 799.00
CCD TR61	699.00 CCD TR81 799.95
CCD TR101	1163.00 CCD-FX520 649.00
CCD-FX410	599.00 CCD-FX710 869.00
CCD-FX420	599.00 CCD-FX620 729.00
VCR's	
SLV-400	239.00 EVS-900 1499.00
SLV-700	339.00 EVA-50 349.00
SLV-750	389.00 GV-M20 559.00
SLV-900	419.00 EVC-40 325.00
SLV-95	CALL EV-DT1 709.00
EVS-1000	539.00 EV-DT2 739.00
EVS-2000	779.00 SL-HF360 CALL
EVS-3000	CALL GV-550 749.00
SL-HF-870	759.00 SL-HF-2100 1269.00
SL-S6000	269.00 RME-700 689.00
RME-300	489.95 XV-0700 249.95
XV-C900	699.00
AC-S10 Charger/Reconditioner	109.95
BE-V8000 Rewinder/Eraser	139.95
GP TRX Pistol Grip	84.95
RM-155K Wireless Remote	99.95
RM-35 Wired Remote	89.95
SPK TR22	149.95 SPK-FX1 124.95
MPK TRS Underwater Housing	869.00
ACV-55N One Hr. Batt. Charger	159.95
AA Battery Pack	19.95
XV-M30 Color Monitor	329.95
New Car Cord for V-5000	64.95
NP-77H	44.95 NP-77HD 69.95
NP-11	44.95 NP-66H 49.95
NP-77H	49.95 NP-55H 39.95
NP-22	29.95

JVC

CAMCORDERS	
GR-M3U	529.00 GR-AK35 629.00
GR-M5U	599.00 GR-M50U 749.00
GR-AK50	669.00 GR-AK33 699.00
GR-M7 Pro	749.00 GR-AK35 669.00
GRS-AK35	629.00 GR-AW1 CALL
GR-Z1	
VCR's	
HR-1200U	209.95 HR-VF700U CALL
HR-1400U	229.95 HR-S4900U CALL
HR-1600U	309.95 HR-S6900U CALL
HR-VF404U	CALL HR-DX40U 219.95
HR-VF604U	CALL HR-S4700U 444.00

FUJI

H-128SW	999.00 F-1225W 669.00
F-1205W	499.95 G-101 Act. Grip 54.95
P-701L LCD Projector	In Stock
P-40U Video Projector	299.00
P-401	CALL HP-A1 CALL
TR-1 Mini Tripod	19.95
Spare Bulb f/P-701	34.95
Spare Bulb/P-40U	24.95

DAIKIN

HSU-56	399.00 HSU-82 899.00
HSU-59	479.00 HSU-56P 369.00
HSU-69	629.00 HSU-28 239.00
HSU-38	279.00 HSU-48 559.00

ORDERING INFORMATION:
Shipping, Handling & Insurance
accepted on most items with 10

CANON

We Accept The Canon Credit Card	
A-1 Digital	1149.00 A-350 649.00
E-808	699.95 UC-20 639.00
E-520	599.00 UC-1 Color 729.00
E-67	699.00 UC-51 799.00
E-210	499.00 UC-32 839.95
E-250	589.95 UC-33 1139.00
H-460	799.95
Pop-Up Light 8mm Video Camcorder	
• Built-in pop-up light	
• 0 lux performance	
• Canon 10x zoom lens	
• Three Modes	
Programmed Autoexposure	
L-1 Hi-Sound Kit	1899.00
CL-10 100MM 10x Lens	2399.95
CL-250F4 Reflex	529.00
CLS-15 Wide Angle Zoom Lens	467.95
CLB-120 Zoom Lens 15x	449.00
CLB-7.6-3.6 Zoom Lens 8x	279.00

SONY PAL

CCD-FX500	819.95
CCD-FX720	659.00
CCD-FX400	799.00
CCD-VX1	2499.00
CCD-FX700	919.95
CCD-FX805	1189.95
Call About Our New Models	
SONY VCR's	
EVC-3	539.00
SLV-X57	349.00
SLV-X37	329.00
CALL	
RICOH PAL	
R-15	849.95
R-18H	1149.95
PANASONIC PRO. PAL	
NV-M3000	959.00
NV-M40	CALL NV-M5700 989.00
NV-M9EE	829.00 NV-M8800 1129.00
Call About Our New Models	

SUNPAK

CV-20S Auto	69.95
Ready Zoom CZ-200 Auto	
CV-300 Auto	79.95
BATTERIES	
Ready Life 10	44.95
Ready Life 20	33.50
CV-150	39.95
CV-200	44.95
CV-300	49.95
CV-320	44.95
CV-205	49.95
CV-200	49.95
CV-200	49.95
Spare Bulb	19.95
New Memory Free Batteries	44.95

VIVITAR UVC-1 UNIVERSAL VIDEO CONVERTER

• Converts 8mm and Super 8 movies, slides and photographs to video tape	54.95
• Works with most camcorders	
• Includes converter unit, multicoated macro lens and adjustable stand	
• Powered by 4 "D" batteries or optional AC adapter	
• Optional AC Adapter	19.95
4 "D" Batteries	4.99

VIDEO LENSES

VIVITAR	
0.42 Super Wide Angle	41.95
0.5 Wide Angle	41.95
0.6/1.5 Reversible	42.95
2x Telephoto	47.95
3.5x Super Telephoto	104.95

KINDEX-2

All-Purpose video search/index device	
Provides Hassle free access to programs/spots on VHS tapes. Just punch in required selection and Kindex2 locates the right program promptly	
Frees VCR from searching - saves wear and tear on VCR head	

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 3494 NEW YORK, NY

POSTAGE WILL BE PAID BY ADDRESSEE

VIDEO

P.O. Box 52255
Boulder, Colorado 80321-2255

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 3494 NEW YORK, NY

POSTAGE WILL BE PAID BY ADDRESSEE

VIDEO

P.O. Box 52255
Boulder, Colorado 80321-2255

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



SALE



HOURS MON-THURS 10-6
FRI-SAT 9-1:30 SAT SUNDAY 10-4
FOR ORDERS AND INFORMATION
CALL
1-212-967-5900

VIDEOCINES

VIDEO EDITMAKER

Video Edit-Maker...
449.00

PRO VIDEO

PRO VIDEO...
539.00

Graphics Library

Libr. 1 "Presentation Marquies"
Libr. 2 "Holidays & Celebration"
Libr. 3 "Travel & Vacation"
Libr. 4 "Sports & Recreation"
Libr. 5 "Style Title Library"

Sound Effects Mixer

Sound Effects Mixer "Boing Box"
Video Titlemaker
Video Titlemaker Pal

NEW DIGITAL VIDEO MIXER (MKX) CALL

THUMBS UP™

Home Video Editor
Thumbs Up Pal

VIDEOCINES VIDEO EQUALIZER

The World's First
DIGITAL Video Processor

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEOCINES VIDEO EQUALIZER

Full Spectrum Color Processor
Enhancer • S-VHS Compatible
Video Equalizer Pal

VIDEO ACCS

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

WALK-PRO

WALK-PRO...
149.95

STEADICAM

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

STEADICAM JR

STEADICAM JR...
379.00

POWER PACKS

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

880 Power Pack

880 Power Pack...
279.00

ALL IN ONE

CO-PRODUCER

VIDEO TRANSFER SYSTEM, WITH
BUILT IN STEREO SOUND MIXER.

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

VIDEO TRANSFER SYSTEM

VIDEO TRANSFER SYSTEM...
114.95

LOWEL

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

LAMP HEADS

LAMP HEADS...
114.95

TAPES & DISCS

N E W R E L E A S E

FEATURE FILMS

Scent of a Woman

1992. Al Pacino, Chris O'Donnell; dir. Martin Bregman. Hi-fi surround, cc. (R) 157 min. priced for rental. LD letterboxed or pan-and-scan \$39.98. MCA/Universal.

Al Pacino's bravura performance as blind and bitter Lt. Col. Frank Slade, the soldier with a death wish, a foul mouth and a nose for integrity, brought the actor a 1992 Oscar and *Scent of a Woman* more than \$57 million in box-office grosses. It's not hard to see why: The movie is an engaging odyssey of discovery. Slade, the curmudgeon who has given up on everyone and everything, meets and spends a Thanksgiving week-

a punch (quite literally) who'd just as soon rip out your throat as let you help—or pity—him. Yet as the story unfolds, Charlie learns to admire and respect Slade, even as he helps the blind man see life in a new way.

Scent is also an effective audience pleaser of the worst sort: shameless in its sentiment, but charming, amusing and even moving. Its crisp dialog, engaging performances and message about standing up for your beliefs are pure Hollywood but admirable nonetheless. There are also two lovely, much-talked-about set pieces: Slade driving a car at 70 mph ("Don't blame me," he says about potential accidents, "I can't see") and the seductive tango scene between Slade and a shy young woman (Gabrielle Anwar). It may be predictable, but it works wonderfully.

—Tom Soter

Chaplin

1992. Robert Downey Jr., Moira Kelly, Geraldine Chaplin; dir. Richard Attenborough. Hi-fi stereo. (PG-13) 135 min. \$94.98.

LD letterboxed or pan-and-scan \$39.95. LIVE.

Imagine squeezing Oliver Hardy into Stan Laurel's suit and you'll appreciate the difficulty of cramming one colorful life into two hours—and understand where many bio-pics fail. Richard Attenborough's *Chaplin* is so busy churning out plot that it neglects its characters.

The story of Charlie Chaplin is a juicy, complex one, with rags, riches, young girls, accusations of several so-called evil "isms" and a nice slice of cinema history. Unfortunately, *Chaplin* never lets us get too close to the man; instead, it presents his story as a barrage of Important Moments and Turning Points—or even worse, as slapstick montages that reduce real events to Keystone Kops chase sequences.



On the Town: Al Pacino and Chris O'Donnell take in the sounds and *Scent of the Big Apple*.

end in New York City with Charlie (Chris O'Donnell), a 17-year-old who never gives up on anything or anyone, no matter how difficult.

And Slade is difficult: Barking insults and threats, he is a blind man with



He's a Tramp: Robert Downey Jr.'s uncanny Chaplin.



Caffeine Blast: Bill Murray needs all the energy he can muster to relive *Groundhog Day*, every day.

Make no mistake, Oscar-nominated Robert Downey Jr. is astonishing at capturing the Little Tramp, and, with the help of lavish set and costume design, cinematographer Sven Nykvist ably conveys the magic of early Hollywood. At the very least, *Chaplin* and its parade of supporting actors—notably Dan Aykroyd as Mack Sennett, Kevin Kline as Douglas Fairbanks and Moira Kelly as Oona—could prompt you to make another rental, of the silent-film variety.

—April P. Bernard

Groundhog Day

1993. Bill Murray, Andie MacDowell; co-wr./dir. Harold Ramis. Hi-fi surround, cc. (PG) 101 min. priced for rental. LD letterboxed \$34.95. Columbia TriStar.

Mad Dog and Glory

1993. Bill Murray, Robert De Niro, Uma Thurman; dir. James McNaughton. Hi-fi surround, cc. (R) 97 min. priced for rental. LD letterboxed or pan-and-scan \$34.98. MCA/Universal.

Too bad all jerks aren't as funny as Bill Murray, because life's daily trials would be a lot easier to take. In *Groundhog Day*, he's at his best as Phil Connors, a Pittsburgh TV weatherman sent to Puxsawtawney to cover the annual groundhog ritual. This arrogant snob quickly gets his comeuppance when he must repeat Feb. 2 over and over, with no relief in sight. Playing Phil's producer, charming Andie MacDowell becomes the catalyst for Phil's transformation from creep to decent soul, and Chris Elliott gets off some good lines as a snide cameraman. But director/co-writer Harold Ramis knows that his leading man's irreverent asides and knowing expressions make the movie work, despite the sappy ending. Although Murray could handle this role in his sleep, he's still a first-class hoot.

Stretching slightly, he portrays a different sort of wiseguy in *Mad Dog and*

Glory, a strained comedy about Chicago cops and crooks. As Frank, an oily underworld boss, he thanks lonely police photographer "Mad Dog" a.k.a. Wayne (Robert De Niro) for saving his life by loaning him lovely young Glory (Uma Thurman) for a week. (No points for guessing where she and Wayne end up.) Nothing works. Thanks to bloody murders and brutal fistfights, the tone fluctuates wildly throughout. Although he's the focus of the story, the dull Wayne never piques our interest, while *Glory* functions as nothing more than an animated prop, recalling a less enlightened era. Women often get treated as commodities in movies these days, but it's distasteful all the same. —Jon Young

Bad Lieutenant

1992. Harvey Keitel; dir. Abel Ferrara. Hi-fi stereo, cc. (R) and (NC-17) versions. 91 min. and 96 min. \$92.98. LD \$34.95. LIVE.

He's not so much bad, this nameless cop, as he is oblivious to humanity. Years of living and breathing the dregs of New York street life have left him numb, unable but desperate to feel something, anything. He ignores his family and abuses everything he can—drugs, sex, gambling, the power that goes with his job. But as he spirals inevitably downward, he discovers what may be the key to his redemption.

Bad Lieutenant is a breakthrough for Abel Ferrara. Often dismissed as a genre

Cop and a Half: Harvey Keitel's *Bad Lieutenant*.



EDITOR'S CHOICE



kenneth korman

Just as director/star Clint Eastwood's powerful and complex *Unforgiven* shocked those of us who had never taken him seriously as an artist, Warner's new **Eastwood Collector's Edition** laserdisc boxed set (\$119.95) is a real eye-opener for anyone associating his films with mindless violence and questionable politics. Comprising classic western *The Outlaw Josey Wales*, the underrated *Pale Rider* and last year's Oscar favorite *Unforgiven*, the set reveals Eastwood to be a thoughtful and often inspired filmmaker whose evolving skills have now rendered him something of a national treasure.

Like the other films in this set,

Josey Wales begins

with a scene of naked brutality that sets up a seemingly predictable tale of revenge. But this sprawling epic takes a series of surprising turns. After Union soldiers murder his family even though the Civil War has ended, Eastwood's Wales



Pale Rider

hits the trail to "set things right." He hooks up with a Native American who gets plenty of screen time to describe the mistreatment of his people. "We can live together without butchering each other," Wales eventually concludes.

Critics have long dismissed *Pale Rider* as a shameless plundering of George Stevens' classic *Shane*, but hindsight suggests Eastwood hoped to pay tribute to an inspiring film while adding a subtle spin of his own. The line between good and evil is more sharply drawn here than in *Josey Wales* or *Unforgiven*, but a mystical streak—is Eastwood's character another mysterious man-with-no-name or a ghost from gunfights past?—rescues *Pale Rider* from the rigidity of traditional westerns like *The Searchers*. Most important, *Pale Rider* shows Eastwood developing the sure hand of a director who would later dazzle us with *Unforgiven*. Sometimes they really do make 'em like they used to—only better.

TAPES & DISCS

director (best known for episodes of *Miami Vice* and the cult classic *Ms. 45*), Ferrara is a maverick, a lapsed Catholic fascinated by the coexistence of good and evil. He gives that obsession full rein here, and has the perfect actor to bring it to life.

Harvey Keitel's performance is what makes *Bad Lieutenant* a must-see. Often wasted in supporting roles, at his best he's the most daring American actor of his generation. And here, he goes where no actor has gone before, making this desperate man a raw, walking wound. While not for the faint of heart, even at its ugliest it's a performance you can't take your eyes off. It's also one that deserves to be seen in the original NC-17 version, rather than the edited R version LIVE is also offering. —M. Faust



Quite a Pair: Johnny Depp and Mary Stuart Masterson make love grand in *Benny & Joon*.

Benny & Joon

1993. Johnny Depp, Mary Stuart Masterson, Aidan Quinn; dir. Jeremiah Chechik. Hi-fi surround, cc. (PG) 98 min. \$94.99. LD letterboxed \$34.98. MGM/UA.

Hollywood can't tell a story these days, or execute many of its basic genres. So what are the odds that a studio could produce a movie that's just plain sweet? Can't happen. Not possible. But it is: *Benny & Joon*, as unlikely a love story as you'll see, is kept lighter than air by its fine cast and the direction of Jeremiah Chechik, who has a nice sense of how long to hold an image.

Benjamin Pearl (Aidan Quinn), who fixes cars, has his feet planted so firmly in the ground he's taken root. He cares for his schizophrenic sister Juniper (Mary Stuart Masterson), who paints, drives away housekeepers and causes traffic jams. Enter Sam (Johnny Depp), a dyslexic who communicates largely through improvised slapstick. What

happens between the two young misfits is as inevitable as Benny's trouble in dealing with it.

The movie is neither realistic nor meant to be. The tone is set by the script, which is clever and whimsical, as is the score by Rachel Portman. The actors play it straight, without wasted gestures—especially important for Depp, who could easily have been annoying instead of endearing.

Benny & Joon has third-act problems, but it doesn't wear out its welcome. Given what it does well, that welcome should be warm indeed.

—Sol Louis Siegel

Brother's Keeper

1992. Pr./dir. Joe Berlinger, Bruce Sinofsky. Hi-fi stereo. (NR) 104 min. \$89.95. Fox Lorber.

A journey into a strange, alien world, *Brother's Keeper* isn't fantasy, but a documentary set in upstate New York. This simple, absorbing story of accused murderer Delbert Ward doesn't require flash to pack a punch—its portrait of the odd, reclusive "Ward boys," as they're known in Munnsville, is potent enough.

When ailing Bill Ward passes away in the bed he shared with his sibling, it initially seems like death by natural causes. But following police interrogation, Delbert admits to a mercy killing, and stands trial. However, he's been subjected to a massive, if unsophisticated, frame-up: The bewildered Delbert (whose IQ measures around 60) was co-

erced into signing a confession he could neither read nor understand, and the jury accordingly acquits him.

More striking than the details of the case, however, are the images of Delbert and his two surviving brothers. Living all their lives in a run-down farmhouse without heat or running water, these inarticulate men are no match for the outside world. Lyman, who's less capable than Delbert, can't even tell time and becomes paralyzed with tremors of fear on the witness stand. Deeply disturbing and almost unbelievable, *Brother's Keeper* lingers in the mind long after it's over.

—JY

Love Field

1992. Michelle Pfeiffer, Dennis Haysbert; dir. Jonathan Kaplan. Hi-fi surround, cc. (PG-13) 104 min. \$94.98. LD \$39.99. Orion.

If you believe *The Player's* vision of Hollywood, the "high concept" strategy behind *Love Field* went something like this: "Thelma & Louise meets *Jungle Fever* with a dash of JFK, plus a cute kid." While those responsible probably intended something purer than a formula drama, that's how this story of mismatched fugitives comes off. Though Michelle Pfeiffer, who earned an Oscar nomination for her efforts, and Dennis Haysbert make an interesting odd couple, they can't rise above the awkward script.

Dallas, November 22, 1963: Lurene Hallett (Pfeiffer), a Kennedy fanatic



Bad Trip:

For all its good intentions, *Love Field* (with Michelle Pfeiffer and Dennis Haysbert) gets bogged down by its script.

down to her Jackie-style 'do, decides to attend the president's funeral over the objections of her yahoo husband (Brian Kerwin). Hopping ■ Greyhound to Washington, she strikes up a friendship in the back of the bus with Paul Cater (Haysbert), a black man who has snatched his daughter (Stephanie McFadden) from ■ brutal state institution. One crash and much confusion later, this unlikely trio is fleeing the authorities in a stolen car, headed for predictable action and romance. Despite Pfeiffer's thoughtful portrayal, Lurene is ■ tiresome busybody; enduring her sympathetic yet patronizing attention with stoic courtesy, Haysbert's Paul is simply too noble to be believable. *Love Field* means well, but fails to deliver. —JY

In the Soup

1992. Steve Buscemi, Seymour Cassel, Jennifer Beals; dir. Alexander Rockwell. Hi-fi stereo. (R) 96 min. \$89.95. Academy.

Adolfo Rollo (Steve Buscemi) is a fledgling filmmaker with more ambition than capital. What he does have are a 500-page script and a prospective star—Angela (Jennifer Beals), a neighbor in his Lower East Side tenement. Though he has a mad crush on her, she barely knows he's alive.

Into Adolfo's life comes a boisterous scam artist named Joe (Seymour Cassel). While he says he wants to bankroll the movie, Joe seems more intent on making Adolfo an accomplice to his shady schemes. Initially appalled, Adolfo is drawn to the lively situations and strange characters that inhabit Joe's rambunctious world.

This is Cassel's movie, and he makes the most of his part, continually outraging or enticing the meek Adolfo. Like Marlon Brando and Matthew Broderick in *The Freshman*, he and Buscemi (*Reservoir Dogs*) make a perfect odd couple, Cassel's jolly mischievousness set off by Buscemi's rainbow of confused and terror-stricken expressions.

Though it was filmed in color, *In the Soup* was shown theatrically in black and white. It's on video in both versions, but look for the color one—B&W only gives this lightweight comedy an inappropriately "arty" air. —MF



Intolerance:

Falling Down's Michael Douglas loses his cool.

Falling Down

1993. Michael Douglas, Robert Duvall, Barbara Hershey, Tuesday Weld; dir. Joel Schumacher. Hi-fi surround, cc. (R) 113 min. priced for rental. LD letterboxed \$34.98. Warner.

Imagine you're one of those forgotten, middle-class white guys that the media says is under attack. Your wife has left you, your job's been eliminated and your air conditioner doesn't work. You can't even go for a walk without all those annoying people of color trying to rip you off, or worse. What else is there but to become a vigilante?

That's the premise behind this hateful film from the "auteur" who gave us *St. Elmo's Fire*. In the lead role, Michael Douglas destroys a Korean deli, bashes Latino street toughs, terrorizes a fast-food restaurant and blows up a construction site. Presumably, we're all supposed to cheer him on because we're also mad-as-hell-and-not-going-to-take-it-anymore. You have to wonder who the test audience was for this picture.

Apart from its anti-social scenario, this film is noteworthy for containing more filler than any major motion picture I've ever seen. Robert Duvall, Tuesday Weld and Barbara Hershey talk on the phone ■ lot. As cynical as the scenes with Douglas are, they're the only meat on the bones here. Whenever he's not on screen, it's time to scan forward.

Falling Down is the celluloid equivalent of *A Current Affair*. It masquerades as social commentary, but deep in its heart, it knows that it's exploitation.

—Ron Goldberg

Sommersby

1993. Richard Gere, Jodie Foster; dir. Jon Amiel. Hi-fi surround, cc. (PG-13) 114 min. priced for rental. LD letterboxed \$34.98. Warner.

This ponderous remake of the French classic *The Return of Martin Guerre* trades the intriguing subtleties of the Gallic original for heavy-handed moralizing and a climax that blends *A Tale of Two Cities* melodrama with *Love Story* sentimentality.

Based on a true incident, both films deal with the return of a soldier years after he left. Everyone notices, yet ignores, changes in his manner: Where he used to be cruel, for instance, he is now kind. In both movies, this idyllic situation is shattered by claims that Martin Guerre/Jack Sommersby is an imposter.

The original concerned itself with only one question: Was Martin Guerre who he said he was? On that was hung a fascinating tale of trust betrayed and love revealed, all stitched together by the winning performance of Gerard Depardieu as the charming man who might be Guerre. The script was so effective one isn't sure until the very end whodunit—or even why.



The makers of *Sommersby* apparently didn't trust this simple scenario, so in true Hollywood fashion they overlaid their remake with plots and counterplots: It's not enough to have Sommersby's identity doubted—screenwriter Nicholas Meyer drags in the Ku Klux Klan, black sharecroppers, a rejected lover, a murder plot and a noble self-renunciation right out of Dickens. The story isn't helped by a lackluster cast, headed by charmless Richard Gere and wan Jodie Foster as the lame lovers.

Sommersby, long on speeches and aimless story, is a windy bore that proves once again that if the original movie ain't broke, you shouldn't try to fix it—or redo it. —TS

The Hairdresser's Husband

1990. Jean Rochefort, Anna Galiena; dir. Patrice Leconte. Hi-fi mono, subtitled, cc. (R) 84 min. priced for rental. Paramount.

Since the age of 12, when the scents of rose water, hair spray, shampoo and, most important, Mrs. Sheaffer herself intoxicated him in a barbershop, Antoine (Jean Rochefort) has harbored only one ambition: to marry a hairdresser. He meets Mathilde (Anna Galiena), proposes as she finishes his trim, then leaves. Three weeks later, he returns to find her answer is yes. Thus begins an idyllic, passionate life, one that surprises in its intensity and is bathed in the warm golden glow of the afternoon sun.

A leisurely study of obsession and sensuality, *The Hairdresser's Husband* is a real find. Director Patrice Leconte (*Monsieur Hire*) works simply and sparingly, mingling scenes from the marriage with flashbacks from Antoine's childhood. Both funny and sadly curious, they quietly reveal *The Hairdresser's Husband* to be a fascinating, single-minded man, content to worship the woman who shampoos his hair 'til death do them part.

—APB

LASERDISCS

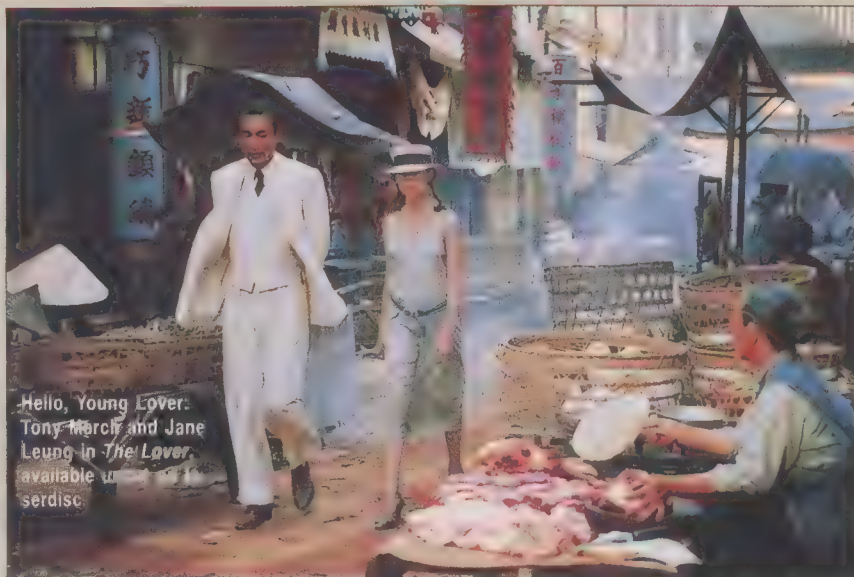
Tosca

1992. Catherine Malfitano, Plácido Domingo, Ruggero Raimondi; dir. Giuseppe Patroni Griffi. Digital stereo, subtitled. (NR) 115 min. CLV 2 sides. \$44.97. Teldec.



On Location: Last year's mammoth production of *Tosca* uses the opera's actual settings.

Political intrigue, sexual obsession, betrayal, torture and murder — *Tosca* has something for everyone. Puccini's melodramatic classic, set in Rome circa 1800,



Hello, Young Lover:
Tony March and Jane
Leung in *The Lover*,
available on
laserdisc

pits the famous soprano Tosca (Catherine Malfitano) against secret police chief Baron Scarpia (Ruggero Raimondi), a villain refreshingly devoid of redeeming characteristics and a possible inspiration for Darth Vader. Caught in the middle is the painter Cavaradossi (Plácido Domingo), who Scarpia sees as a political enemy and the competition.

Since the action is set in actual buildings that still stand, it was inevitable that someone would film the opera in them. This TV production went a few steps further by broadcasting it live, as you-are-there drama, with the singers using radio mics to mix with the studio orchestra. Even the original broadcast times were staggered over the course of a day, which you don't have to worry about on this disc. The result, once you get used to the sheer size of the locations, is resplendent. The singers, working under preposterous conditions, keep digging to reveal their characters when they could have gotten away with running on autopilot.

There are glitches, like the "dead" Scarpia visibly breathing. Still, this is a disc that makes grand opera look really grand.

—SLS

The Lover

1992. Jane March, Tony Leung; dir. Jean-Jacques Annaud. Digital surround, letterboxed. (NR) 115 min. plus trailer. CLV 2 sides. \$39.98. MGM/UA.

Damage

1992. Jeremy Irons, Juliette Binoche; dir. Louis Malle. Digital surround, letterboxed. (NR) 111 min. plus supplement. CLV 2 sides. \$49.99. Criterion.

The Lover, from the Marguerite Duras novel, conceals its passions until it

wants us to feel them. On a ferry in 1929 Indochina, a Chinese man (Tony Leung) is smitten with a white schoolgirl (Jane March) who wills him to seduce her. This film, shot in Vietnam, is easily the best I have seen from Jean-Jacques Annaud. With measured direction and muted photography, he examines the affair and the barriers of race and class, and maintains an ironic distance that is slowly eroded until the end, when we (and the girl) finally realize what has really happened.

Damage takes a different approach to sexual obsession. Director Louis Malle, working from a pitch-perfect script by David Hare, turns the Josephine Hart novel about a British politician, whose life is destroyed by a single glimpse of his son's lover, into a tightly controlled descent into Hell. Juliette Binoche remains more mysterious than human, but Jeremy Irons is fearless in portraying the total loss of control, and Academy Award nominee Miranda Richardson and Rupert Graves (wife and son) beautifully flesh out what are usually stock characters.

Both films, which are sexually explicit in their different styles, are here presented uncut. (The "R" versions are available on tape.) The MGM/UA disc of *The Lover* restores both sexual material and character scenes — as well as two critical lines of narration pertaining to the girl's age. Criterion's unrated *Damage* is more notable for Malle's analog-track narration, which is devoted mostly to the characterization of the individual scenes, and for a rather disjointed supplementary interview segment. Both letterboxed transfers preserve the subtle visual styles admirably.

—SLS

Fawlty Towers: The Complete Set

1975-79. John Cleese, Prunella Scales, Connie Booth; dir. John Howard Davies, others. Digital mono. (NR) 368 min. \$119.95. FoxVideo.

Fawlty Towers was one of those rare TV series that left its audience screaming for more. Only 12 episodes of this side-splitting BBC comedy were ever produced, and although they've been available on video for some time, Fox has finally rewarded patient laser fans with a boxed set.

For those unfamiliar with the show, suffice it to say that Cleese is at his all-time best here as Basil Fawlty, the beleaguered owner of a seaside resort. Convinced that he could run his hotel properly if it wasn't for the guests,

Man in Charge:
Basil Fawlty
(John Cleese) of
Fawlty Towers.



Fawlty endures abuse from his acid-tongued wife, his inept staff and everything else he comes in contact with. Things go wrong with remarkable precision at Fawlty Towers, and each episode builds up to a level of mayhem that makes you laugh no matter how many times you've seen it.

Disc quality is fine here, considering that the show was shot on video and recorded in mono. The VHS tapes, which offer three episodes per volume, are substantially cheaper than the laserdisc, but if you've got a disc player, you'll want a permanent copy of this stuff. —RG

Pride and Prejudice

1940. B&W. Greer Garson, Laurence Olivier, Mary Boland; dir. Robert Z. Leonard. Digital mono. (NR) 118 min. CLV 2 sides. \$34.98. MGM/UA.

"It is a truth universally acknowledged that a single man in possession of a good fortune must be in want of a wife." With that deliciously sarcastic comment, Jane Austen opens her 1813



novel *Pride and Prejudice*. Thankfully, the 1940 film version retains the same spirit.

With five daughters in need of husbands, Mrs. Bennet (comedic gem Mary Boland) is in a dither. Of the eldest, Jane (Maureen O'Sullivan), she has no worries; Jane's beauty and sweet nature will guarantee her security. But oh, that Lizzy (Greer Garson)! Her "lively wit" could spell the end for any prospect of matrimony. If only that odious Mr. Darcy (Laurence Olivier), looking down his nose at everybody, were more agreeable.... As for the rest of the girls, one fancies books while the other two are inclined toward dashing officers. What a trial on Mrs. Bennet's poor nerves!

With its fine cast, *Pride and Prejudice* is a thoroughly delightful comedy of manners. Never has the business of marriage been so diverting. The Oscar-winning period look—with a sharp and not-too-contrasty transfer to disc—is another triumph for MGM's art department, and the screenplay (co-written by Aldous Huxley) preserves Austen's crisp language. This verbal sparring comes highly recommended. —APB

The Tarzan Collection

1993 comp. B&W. *Tarzan Escapes* (1936), *Tarzan Finds a Son* (1939), *Tarzan's Secret Treasure* (1941), *Tarzan's New York Adventure* (1942). Johnny Weissmuller, Maureen O'Sullivan, John Sheffield, Barry Fitzgerald, Cheetah; dir. Richard Thorpe. Digital mono. (NR) 420 min. CLV 8 sides. \$99.98. MGM/UA.

Edgar Rice Burroughs, the former pencil-sharpener salesman who created Tarzan of the Apes, knew his idea of a noble wild man living in a jungle paradise was hokum—"[An ape-man] would probably have B.O., halitosis and athlete's foot, plus a most abominable disposition"—but Tarzan, Lord of the Jungle, struck a

Single White Females:

Greer Garson (left) is one of *Pride and Prejudice*'s five Bennet daughters in search of husbands.

public chord, appearing in countless comic strips, radio shows, plays and the world's longest-running movie series.

The best-known actor in the role, Olympic athlete Johnny Weissmuller, played Tarzan for 17 years and is featured here in four of his six MGM adventures. Although the simple-minded stories make Burroughs' sophisticated jungle man into a primitive boy toy, a hunk with no brains ("Me Tarzan") but a lot of brawn, Weissmuller's appeal is obvious. After all, who could resist a guy who wrestles lions before breakfast?

The high-budget formula films, which re-use plot elements and stock footage shamelessly, all involve white explorers intruding on Tarzan's jungle heaven in search of hidden treasure. At the climax of each, the apeman arrives with a flock of elephants to save spouse Jane from torture by savages.

The best of the lot is *Tarzan's New York Adventure*, which cleverly inverts the formula by having the apeman play intruder in New York City ("stone jungle"). Before the story ends, Tarzan has made monkeys out of cops and robbers alike, leaping across city rooftops and off the Brooklyn Bridge with a breathtaking, Olympian ease. There are also wry moments of social commentary (Tarzan on a nightclub: "Smell like Swahili swamp. Why men stay here?") Jane: "It's called having a good time"), amusing antics by Cheetah, and, of course, the elephant stampede at the end. —TS



Atypical Tourists:
Tarzan leaves his loincloth back in the jungle for a *New York Adventure*.

DIRECTORY

HIGHLIGHTS OF THE MONTH

Alive

1992. Ethan Hawke, Vincent Spano, Josh Hamilton; dir. Frank Marshall. A real-life Friday-the-13th disaster: how a rugby team survives for 10 weeks after its plane crashes in the Andes. Coming September 8. Surround, cc. (R) 127 min. VHS, Beta \$94.95. LD \$39.99. Touchstone.

The Best of the Kids in the Hall

1993 comp. Side-splitting Canadian ensemble brings you "I'm crushing your head" and other examples of cutting-edge humor.

Stereo. 120 min. VHS only, \$59.95. Columbia TriStar.

Cries and Whispers

1972. Harriet Andersson, Liv Ullmann, Ingrid Thulin; dir. Ingmar Bergman. Marvelously photographed by Sven Nykvist—but monumentally depressing look at dying woman and those who surround her. Mono, subtitled. (R) 106 min. VHS \$39.95 (available late September). LD \$49.95. Home Vision (800-262-8600)/Criterion.

Escape to Witch Mountain

1975. Eddie Albert, Ray Milland, Kim Richards, Ike Eisenmann; dir. John Hough.

Bad guys pursue two young orphans with mysterious powers, in the latest "Studio Film Collection" entry. Also new: *The Shaggy Dog*, *Herbie Rides Again* and *That Dam Cat*. Mono, cc. (G) 97 min. VHS, Beta \$19.99. Walt Disney.

Loves of a Blonde

1965. B&W. Hana Brejchova; dir. Milos Forman. Early Czech film—a not-so-simple romance—from the man who later directed *One Flew Over the Cuckoo's Nest* and *Amadeus*. Mono, subtitled. (NR) 88 min. VHS only, \$39.95. Home Vision (800-262-8600).

North & South

1985. 6 vols. Patrick Swayze, James Read, Kirstie Alley, Lesley-Anne Down, Hal Holbrook, Robert Guillaume, Robert Mitchum, Elizabeth Taylor; dir. Richard T. Heffron. The Civil War was never so star-studded! Warner's most requested title. Mono. (NR) 561 min. VHS, Sp.-dubbed VHS, Beta \$199.98. Warner.

Labels For Less

For kids, going back to school will seem more tolerable if there's something cool to watch afterward. Warner obliges with *The Wind in the Willows*, the all-star *Alice in Wonderland* and *Alice Through the Looking Glass*, and the inspirational drama *A Dream for Christmas*, all new to video at \$19.98 each. Or try nifty animation titles *Twice Upon a Time* and *Watership Down* (for slightly older audiences) reduced to \$14.95, as are family films *The Beniker Gang*, *The Neverending Story* and *Good-Bye, My Lady*. MGM/UA gathers the family around the electronic hearth with two Ewok movies, *Jack the Giant Killer*, *Where the Lilies Bloom* and *Yours, Mine and Ours* reduced to \$14.95 each, or, for *Free Willy* lovers, *Namu, the Killer Whale*, new to video at the same price.

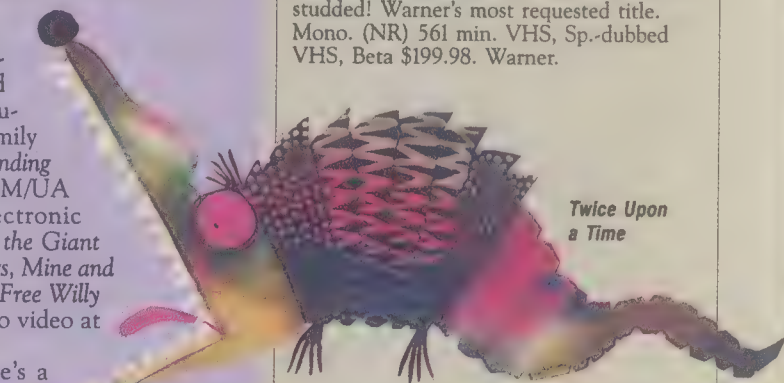
More reprised titles—and there's a ton—include: *Amadeus*, *One Flew Over the Cuckoo's Nest*, *Dawn of the Dead* (also new to disc), the 35th-anniversary letterboxed *Indiscreet*, and Hallmark Hall of Famers *Foxfire* and *O Pioneers!*, \$14.98 each from Republic; Academy's *Paris Is Burning* and *Voyager*, \$19.95 apiece; *Thousand Pieces of Gold* from Hemdale; *Far and Away* (letterboxed or pan-and-scan), *Death Becomes Her*, *Journey to the Far Side of the Sun* and five volumes of *Amazing Stories* (with "Family Dog"), \$19.98 each from MCA/Universal; New Line's *Twin Peaks: Fire Walk With Me* and the Merchant-Ivory production *Shakespeare Wallah*, \$19.95 each, plus *A Lion in Winter*, \$14.95; and from Orion, *Little Man Tate* at \$19.98, and *Miami Blues*, *The Hot Spot* and the first two *Robocop* flicks, \$14.98 apiece.

MPI could spur Beatlemania again with its reprised *The Beatles: The First U.S. Visit*, now \$24.98, as well as *A Hard Day's Night*, *Help!* and *Magical Mystery Tour*, all \$19.98 each....Seven of Mae West's films—such as *I'm No Angel*—are new on video from MCA/Universal, \$14.98 each....Jimmy Cagney is the star of choice at MGM/UA, with *Captains of the Clouds*, *Ceiling Zero* and *A Midsummer Night's Dream* new to video (and *The Strawberry Blonde* repriced) to \$19.98 each.

—APB



Robocop 2



Twice Upon a Time

Prisoner: Cell Block H

1979. 6 vols. Campy female convicts, imported from Australia to early '80s syndication. Mono. 95 min. VHS only, \$19.98 each. MPI.

Rio Grande

1950. B&W. John Wayne, Maureen O'Hara, Ben Johnson; dir. John Ford. Striking third in Ford's "cavalry" trilogy, after *Fort Apache* and *She Wore a Yellow Ribbon*. Mono. (NR) 105 min. LD \$39.98. Republic.

7 Up in the Soviet Union

7 Up in South Africa

1990. 2 vols. Poignant new takes on the 7 Up concept visit more 7-year-olds, who have startling things to say about *perestroika* and apartheid. Mono. 68-83 min. each. VHS only, \$19.95 each. Shanachie (201-579-7763).

Smile

1974. Bruce Dern, Barbara Feldon, Michael Kidd; dir. Michael Ritchie. A dark, hilarious look at the Young American Miss pageant, where the smiles come easier with a little Vaseline on the teeth and the judge's son is taking nudie Polaroids of the

Compiled by April P. Bernard

SOUND VALUES FROM INFINITY

HIGH-PERFORMANCE, AFFORDABLE SPEAKERS TAKE HOME THEATER TO THE NEXT LEVEL.

INFINITY IS WELL known to lovers of fine audio products, but the company has recently expanded its objectives to encompass a whole other market — those who are merging audio and video for home theater. The reason for Infinity's emergence on the home theater scene is because, until now, home theater shoppers only had two choices: either very expensive systems made up of speakers that might not work well together or inexpensive package systems that aren't up to both music and audio-for-video reproduction.

Infinity's solution to this dilemma can be heard in their new line of speakers, named the Reference Standard Series. The Reference Standard Series brings high-performance loudspeakers into the home theater at an extremely competitive price.

How can they do this? Infinity has more than 25 years of experience in developing high-quality components at an excellent value. For example, some of the proprietary technologies employed in the nine speakers that comprise the Reference Standard Series include the Injection Molded

Graphite (IMG) woofer, which blends acoustically dampened polypropylene and ultra-strong graphite fibers to give stiffness and strength and solid dampening of sonic colorations; the woofer Dispersion Stabilizer, which prevents the high-frequency "beaming" that is common in larger woofers; and the Polycell dome tweeter, which provides ferrofluid cooling of the voice coil — delivering higher power handling and improved linear coil motion.

Another aspect of the Reference Standard Series that sets them apart from their competitors is that all of the speakers, including the subwoofers, are voice-matched. Voice-matching means that each of the speakers share a uniform tonal balance with the others. This adds realism to the home theater, making the voice sound consistent as it moves from speaker to speaker. Voice-matching also allows you to expand or upgrade the system without worrying about compromising sonic balance. You can start off small and work your way up to a larger, full-surround-sound set up and have

each version pump out sounds that satisfy whatever level you are at.

The Reference Standard Series includes all the speaker components necessary to make a powerful home theater, including a video speaker for center channel output. Infinity also understands that the home theater is just that — in the home. As a result, Infinity offers enclosures in West Hills Oak or Black Ash vinyl finishes with black cloth grilles. Plus, their compact design and small footprint make them unobtrusive in even the smallest of viewing rooms.

Now that we've discussed their high quality, what about their affordability? Individual speakers in the Series range in price from approximately \$99.00 to \$359.00 each, and powered subwoofers from \$779.00 to \$999.00 each. With prices like these, an audio/video lover can have a quality six-speaker system — including a powered subwoofer — for less than a pair of fine stereo speakers.

There it is, high-performance and tremendous value — all from Infinity.



The Reference Standard Series brings high-performance loudspeakers into the home theater at an extremely competitive price.

COLONEL VIDEO & AUDIO

Open
7 Days a Week
Mon-Sat
8-9pm
Sun 10-6pm
C.S.T.

UNBEATABLE



1-800-423-VCRS

(Orders Only)

(8277)

1-800-Video-97

(Repeat Callers) (84336)

1-713-486-8300

(Fax Hot Line)

1-713-486-8866

(Inquiries & Customer Service)

★ Fast ★ Knowledgeable ★ Friendly
Fed. Exp. Available Factory Trained We're From Texas

**Full USA
Warranty**
on all major brands

**Factory Authorized Dealers
For Every Brand We Sell!**

Your Home Theatre Experts



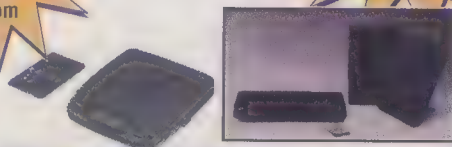
North America's Largest LCD Projector Dealer

Mini Component Systems

Many
Brands
To Choose
From

Portable Audio
also Available

YAMAHA
Rack
Systems
also Available



Home & Office

Panasonic

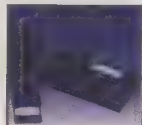
Check Writer



Fax ▲ Phone
Answering Machine



Totally Digital
Answering Machine



900MHZ
Cordless Phone

Accessories

Batteries

- ▲ NoMEM
- ▲ Auto Discharge
- ▲ Belt Packs
- ▲ Name Brands

**We Carry The
Widest Selection**



Canon
We Stock
All Canon
Accessories



AZDEN Microphones

- ▲ Boom
- ▲ Lapel
- ▲ Wireless
- ▲ Directional
- ▲ Narrative
- ▲ Headset



Minicam
Lights

SUNPAK

We Stock Video
Lights From 5-100 Watts

Sima



SFX-5

Video Pro Magic

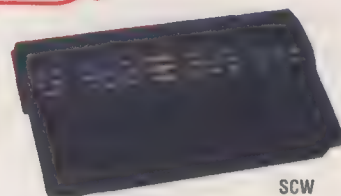
- ▲ Digital Video Movie
- ▲ Studio and Audio Mixer



SED-2X

Video Ed/It 2X

- ▲ Mini Editor and Sound
- ▲ Mixer with Color Wipe Effects



SCW

Colorwriter Magic

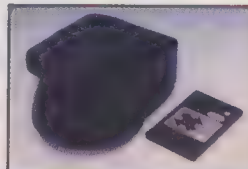
- ▲ Full Color Special Effects Electronic Titler
- We Carry The Full Line Of
Camcorder Accessories**

Cinema Products
**STEADICAM
JR**



SUNPAK

- ▲ Remote
- ▲ Pan



NADY
SYSTEMS



▲ 151 VR Wireless Video

No Sales Tax
If shipped outside Texas!

For the most comprehensive 64 page catalog
Send \$3 to the address at the bottom!

Serving the nation
for over 12 years!

COLONEL VIDEO & AUDIO

UNBEATABLE

We Specialize in All Accessories

1-800-423-VCRS

(Orders Only)

(8277)

1-800-Video-97

(Repeat Callers) (84336)

1-713-486-8044
(Fax Hot Line)
1-713-486-8044
(Inquiries & Customer Service)



Open
7 Days a
Week
Mon-Sat
8-9pm
Sunday
10-6pm
C.S.T.

- ▲ Hometown Texas Hospitality
- ▲ 24 Hour Order Processing
- ▲ All Major Credit Cards



Checks Accepted COD Accepted
Instant Financing Available*

- ▲ Super Helpful-Friendly Sales Consultants

★ Fast Fed. Exp. Available
★ Knowledgeable Factory Trained
★ Friendly We're From Texas

Factory Authorized Dealer For Every Brand We Sell!

- ▲ No Grey Goods
- ▲ Includes All Accessories
- ▲ Full Factory Warranty
- ▲ Don't Get Burned! Only Buy From An Authorized Dealer!

1-5 year warranties • No deductible • No out of pocket expense
• Good nationwide, Mexico, Europe, Canada, ask for more info
• Super competitive prices • Protect your investment



Canon L1



Panasonic IQ-203



RICOH R-18



HITACHI VHM-39A



JVC GRS-Z1

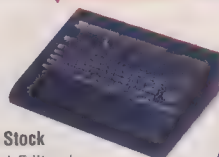
North America's
Largest
and Oldest
Camcorder
Dealer

Laser Disc
Hotline
713-286-SALE
Animation
Hard to Find

Panasonic WJ-AVE5



VIDEONICS TM-1



We Stock
EM-1 Editmaker
TU-1 Thumbs Up Editor
PCM-2 Pro Ed
VE-1 Video Equalizer
SE-1 Sound Mixer
PP-1 Processor Plus
GL1-5 Graphic Library
and much more!

Ed/It-4



SIMO

Your
Editing
Headquarters!

- ▲ Mixers
- ▲ Digital Processors
- ▲ Macro Busters
- ▲ Video Printers
- ▲ Digital Effects Generator and much more!



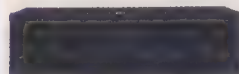
Receivers



Video Laser Disc Players



CD Changers



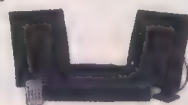
Tape Decks



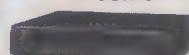
Mini Disc

Best Brands • Best Prices!
Your Audio Experts!

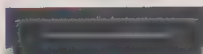
YAMAHA
is Here



VCR'S



JVC HR-S6800U



GO.VIDEO GV-3050X

TV'S

40-150 Rear Screen LCD
Projectors Available



NO MEM
BATTERY

SIMO



- ▲ Lights
- ▲ Cases
- ▲ Tripods
- ▲ Filters
- ▲ Lenses
- ▲ Chargers/Dischargers
- ▲ Batteries
- ▲ NoMEM Battery and much more!

SONY

Authorized Distributor
For all Sony Tapes



BOSE



Free Shipping

Your Authorized
Bose Dealer

Car Stereo



If You Don't
See It Ask!

Return or exchanges may be made within 7 days of receipt after prior authorization. All returned merchandise must be in new condition and include packaging and printed material in original unaltered condition. Returns may be subject to restocking fee. Shipping and handling charges nonrefundable. We are not responsible for typographical errors. Shipping and handling is extra. These are phone & mail order prices only. Prices are not valid in the showrooms or to the customers within 150 mile radius. If you wish to drive to the stores, please phone ahead to check the in-store price. Ask for details. Colonel Video and Audio 16451 Space Center Blvd. Houston, TX 77058

Circle 43 on Reader Service Card.

GUARANTEED UNBEATABLE PRICES!

NORTH AMERICA'S LARGEST
AUTHORIZED DEALER FOR

MITSUBISHI
SONY
Panasonic TOSHIBA
Canon JVC DENON
Sima KENWOOD
VIDEONICS AZDEN
bogen OLYMPUS
RICOH JBL RCA
HITACHI Nikon

POWERVIDEO

1-800-877-2900

CUSTOMER SERVICE: 713-952-4400

FAX: 713-952-8877

- All Public Schools and State University POs Welcome
- #1 in Customer Satisfaction • #1 On Time Delivery
- 4413 Bluebonnet Dr., Stafford, Texas 77477

10 Years in
Business
Texas Owned
& Operated

- 2 FREE VHS TAPES if we can't ship on time
- All merchandise carries manufacturers U.S.A. warranty
- All products are factory sealed, No demos or refurbished goods
- 10 day defective exchange
- No extra charge to use your bank card
- All quoted prices are for mail order purchases only



ASK ABOUT OUR 2/3/5 YEAR, EXTENDED SERVICE CONTRACT WITH MAINTENANCE

JVC GR-AX55	Nikon VN-750	HITACHI VM-H39	RCA PRO 883HB	Canon L-1	HITACHI VM-E55
Panasonic PV-IQ203	JVC GR-SZ1	SONY VHS Hi8 SVHS NORTH AMERICA'S LARGEST DISTRIBUTOR OF AUDIO/VIDEO TAPES	Panasonic PV-800	RICOH R-18H	Canon UC-S3
JVC CAMCORDERS GR-AX25 GR-SZ1 GR-AX35 GR-SX90 GR-AX55 GR-M7U	RCA CAMCORDERS PRO 808 PRO 930 PRO 870 CC-540 PRO 883HB CC-512	Nikon CAMCORDERS VN-750 VN-320 VN-330 VN-500	RICOH CAMCORDERS R-18H R-87H R-61 R-88H R-105	Canon CAMCORDERS L-1 E-520 A-1D UC-S3 E-350 E-250	Panasonic CAMCORDERS PV-332 PV-IQ203 PV-S770 PV-S372 PV-800 AG-455

MITSUBISHI DIGITAL PIP from 27" to 40" 1ST TIME EVER 40" PICTURE TUBE CS-40FX1 CS-26301 CS-27403 CS-35401 CS-27301 CS-31301 CS-35601 CS-27401 CS-35301 CS-35X7	RCA TV's We carry a complete line of RCA TV's from 27" to 35"	MITSUBISHI DIGITAL PIP SLIM LINE 45" to 70" THE MOST POPULAR "VX" SERIES VS-50VX3 & VS-60VX3 VS-4571 VS-6061 VS-5061/62 VS-6071 VS-5071/72 VS-7071	Quasar 27" SX2751HE SX2754HK 31" SX3151HE SX3164HK 700 Lines resolution Picture in Picture INVAR Shadow Mask Dyna Dome Stereo
TOSHIBA ALL NEW 1993 MODEL 27", 30", 32", 35", 55" CF-27C50 CX-32C80/81 TP-48C70/71 CF-30C50 CX-35C80/81 TP-55C80/81 CZ-3299 IDTV In Stock NEW 48" & 55" NOW AVAILABLE!! DIGITAL PIC IN PIC from 27" to 55" 3 Dimensional Sound, Built in Woofer S-VHS Input, Variable Audio Output, 700 Lines Res., DBX Noise Reduction, Ext. Speaker Terminals, 3A/V In/Out, Dual RF Inputs, Univ. Remote Control	JVC ALL NEW HYPERBASS SURROUND SOUND DIGITAL PICTURE IN PICTURE ALL New 27", 31", 32", 35" NEW 16:9 FORMAT NV-558X4 IN STOCK NOW AV-31BM4 AV-35BX3 AV-31BX4 AV-35BP4 AV-32BX3 AV-35BH4	MITSUBISHI Big Screen TV's 27" 31" 35"	HITACHI Ultrascreen TOP RATED! 60" 60SX3B 50" 50UX14B 50" 50UX15K 50" 50SX5P 46" 46UX12B 46" 46UX13K 1000 Lines Resolution, Dolby/Hall/Pro Logic HDTV Lense System

Front Screen Projectors We carry a complete line of front screen video projectors with images up to 150"	MITSUBISHI HS-U69 SUPER VHS HI-FI STEREO Twin Flying Erase Heads, Pre-roll, Index Search, 250x speed Rewind Shuttle. ALSO AVAILABLE HS-U82 HS-U59 HS-U48 HS-U69 HS-U58 HS-U38	TOSHIBA SV-F990 SUPER VHS EDIT RECORDER Video Scanner, Digital Special Effects, Jog Shuttle	Panasonic PV-S4380 SUPER VHS EDIT RECORDER Jog/Shuttle Control, Fly, Erase Head, Synchro-Edit LCD Prase	JVC SVHS HR-S6900U SUPER VHS HI-FI STEREO Jog Shuttle for Fine Editing, Flying Erase Head, Built in Sound Processor, On Screen Programming, Audio/Video in ALSO AVAILABLE HR-S4900U HR-VP700 HR-S6900U HR-VP604 HR-J600 HR-VP606	SONY VHS GUARANTEED LOWEST PRICE! INDUSTRIAL VHS HI-FI VCR Swing Shuttle, Audio Dubbing, On Screen Menus, Auto Repeat NOW AVAILABLE SVO-1410 SVO-160
VIDEO ACCESSORIES We carry a complete line of tripods, lights, filters, lenses, edit processors, batteries and tapes for all your video needs	Panasonic PV-VP1 COLOR VIDEO PRINTER Color Photographs from any Video Source at the touch of a button!	Panasonic LX-900 LX-600 LX-101 Auto Rev., Plays all 5 Disc Sizes, Time Base Correct., S-VHS Video Output, D/Audio	HOME THEATER PACKAGE THX Complete line of Pro-Logic Receivers, THX Processors, Tape Decks, CD Changer & Speakers	Panasonic WJ-AVES WJ-AVES WJ-AVE1 S-VHS PRODUCTION MIXER Digital Special Effects, 99 Different Wipes, Fades, Dissolves, Superimpose.	VIDEONICS New Thumb-Up Now Available! TU-1 EM-1 SE-1 TM-1 VE-1 Titlemaker, Edit Maker, Sound Effects Generator and Video Equalizer Now Available

AUTHORIZED

LOOK NO FURTHER... OUR PRICES ARE LOWEST!

ELECTRONIC

WHOLESALE



ELECTRONIC WHOLESALE
CUSTOMER SERVICE:

201-696-6531

We ship within 24 hours. All prices quoted include manufacturer's standard accessories & U.S. Warranty. All units are factory sealed. Shipping & Handling are non-refundable.

1166 HAMBURG TPKE. WAYNE, NJ 07470

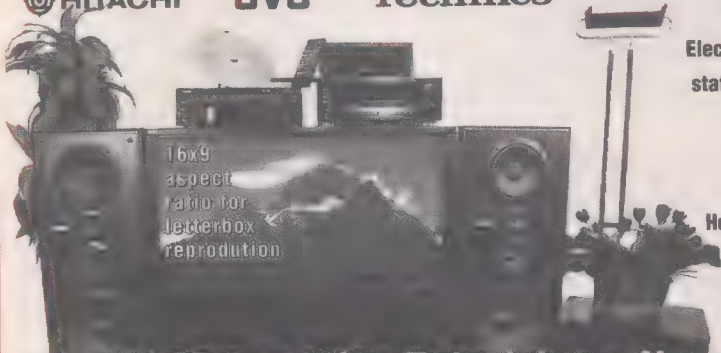
HOME THEATER SYSTEMS

HITACHI

JVC

Technics

Pinicle

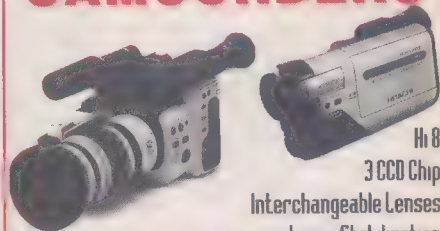


Electronic Wholesalers staff of knowledgeable salespersons can custom configure your dream Home Theater System at a price thats surprisingly within your budget.

16x9 aspect ratio for letterbox reproduction

- 35" - 55" Cinema Wide Televisions...Now Shipping!
- 50" Dolby Pro Logic Rear Projection TV\$1999
- 35" MTS Stereo TV w/ Surround Sound.....\$1199
- 31" Stereo TV w/ Picture In Picture.....\$799

CAMCORDERS



Hi 8

3 CCD Chip

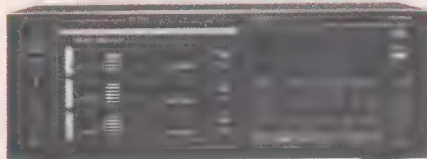
Interchangeable Lenses
Image Stabilization
Super Imposers
Low Lux Ability
Wireless Remote
And More!



AG-3

- Hi 8mm/EIS Stabilizer 8x Zoom\$899
- Canon, JVC, Panasonic, Hitachi, & More
- Choice 8mm & VHS-C Palm Size\$499

CD PLAYERS



Cassette Deck w/6+1 Multi Changer ...\$199
Programmable 18 Disk CD Changer ...CALL

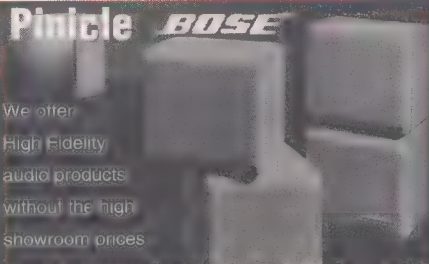


Laser Video Player w/ 5 CD Changer..\$359
Laser & CD w/Shuttle Play.....\$299
Combo Laser & Karaoke Player....\$569
Dual Side Play Laser Video Disk\$489

HOME AUDIO



Dolby Pro Logic Receiver 80 wpc.....\$269
Switchable Impedance 8, 4 & 2 Ohms



Dual Satellite & Subwoofer...\$299
A/V 100w Center Channel Speaker.....\$79

JOG & SHUTTLE

VCR's



E6120 H18 ...\$12.50
Super VHS w/ Flying Erase Head, Jog Shuttle,\$599
4 HEAD JVC VHS For Just.....\$199



8mm Jog & Shuttle LC Controller..\$999
Super Beta Hi Fi Stereo\$349
Your Choice 8mm 4hd Hi Fi or Beta..\$329

BOOKSHELF AUDIO



JVC
AIWA

TECHNICS
PANASONIC

3 Disc Dual Cass. AM/FM....\$329 18wpc 5 Disc, Dual Tape Deck....\$349
32 Watt Per Channel Multi-Disc w/ Dual Auto Reverse Tape Decks....\$399

Panasonic VIDEO ACCESSORIES

SONY RME-700 REMOTE EDITING CONTROL



WJAVE5

WJAVE5 DIGITAL AV MIXER Pip Function, Joystick, Mix 2 Video Sources, 98 Wipe Patterns, Y/C Inputs, S-Video Input/Output
CALL For Current Pricing!

JVC JXT88, JXS900, JXS55, Nady & Azden Wireless Microphones, 8mm Battery, Quick Charger by PowerMax Also Available

1-800-374-7125

Call Now For Your Best Delivered Legitimate Price! Convenient Fax # 201-633-1476

800-942-8188

PRICE RITE
VIDEO SONY

ANYONE MAY OFFER THE "LOWEST
PRICES", BUT YOU CAN COUNT
ON PRICERITE TO DELIVER!

**THE BEST PRICE
ON THE
BEST VIDEO:**

EXPERIENCE THE BEST:

SONY



Hi-8 Stereo Handycam Camcorder

America's most popular camcorder
The TR101 offers superior Hi-8
picture quality and Hi-Fi Stereo
sound. Includes a Stabilizer &
Inner focus system for automatic
focusing from macro to infinity.
Lightweight, compact, and easy
to use w/10x zoom and 2 lux



..... **TR101**

Hi-8 Hi-Fi Stereo Handycam Camcorder

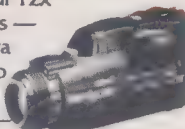
Introducing a new ultra-compact
Handycam camcorder w/Innovative
technology —after rec., easy
playback Handycam Station is
included! Features also include
variable speed 8x zoom,
AFM Hi-Fi and much more



..... **TR200/300**

8mm Camcorder with Sportsfinder

This unit features a powerful 12x
zoom, full range inner focus —
keeps sharp focus from ultra
close to telephoto, and also
includes the new program
AE dial and 2 lux low light—
great results every time!



..... **FX620/520/420**

8mm Hi-Fi Stereo Handycam Camcorder

Small and compact enough to
take great movies anywhere
you travel. With a powerful
12x zoom, AFM hi-fi stereo
and full range inner focus.
Other great features include
digital fader, 2 lux, world clock



..... **TR61/TR77**

**SOUND ADVICE &
THE BEST PRICE**

CALL TOLL FREE!

800-942-8188

Returns are accepted w/in 7 days of receipt, but only with prior authorization.
Returned products must include all original packing materials and blank
warranty cards, and products must be unused and in original condition.
Returns are also subject to a 10% re-stocking fee and shipping and handling
are non-refundable. We also reserve the right to limit quantities. Not
responsible for typographical errors. MAIL ORDER ONLY.

CUSTOMER SERVICE HOURS ARE 10AM-4PM EST.

1344 BROADWAY #110 HEWLETT, NY 11557
Circle 46 on Reader Service Card.

DIRECTORY

contestants. Mono. (PG) 114 min. LD
\$34.98. MGM/UA.

Talbot—The Video: Dolphins and Orcas

1993. Spotted dolphins, pilot whales and orcas—all from the man behind the ubiquitous posters, Bob Talbot. Stereo. 30 min. VHS only, \$24.95. Bob Talbot Productions.

This Boy's Life

1993. Robert De Niro, Leonard Di Caprio, Ellen Barkin; dir. Michael Caton-Jones. Three exceptional lead performances mark this adaptation of Tobias Wolff's memoir, a story of child abuse and loneliness. Due September 1. Surround, cc. (R) 115 min. VHS, Sp.-subtitled VHS, Beta priced for rental. LD (letterboxed) \$34.98. Warner.

Untamed Heart

1993. Christian Slater, Marisa Tomei, Rosie Perez; dir. Tony Bill. Small-town diner is the scene for touching, tear-jerking romance. Surround, cc. (PG-13) 104 min. VHS, Sp.-subtitled VHS, Beta \$94.98. LD (letterboxed) \$34.98. MGM/UA.

Waterland

1993. Jeremy Irons, Ethan Hawke; dir. Stephen Gyllenhaal. From the director of *Paris Trout* (and made with the same unflinching vision), a history teacher puts his own troubled past on the syllabus. Stereo. (R) 95 min. VHS priced for rental. LD \$39.99. New Line.

The World According to John Coltrane

1991. Documentary on '60s jazz saxophonist—incorporating long unseen performances, such as Coltrane on the alto sax on Charlie Parker's "Koko"—inaugurates seven-part jazz and blues series. Stereo. 60 min. VHS \$29.98. LD \$39.98. BMG.

A Year in Provence

1993. 4 vols. John Thaw, Lindsay Duncan; dir. David Tucker. A season-by-season account of Peter Mayle's new home and life in the south of France, via the best-selling novel and the BBC. Mono. 90 min. each. VHS only, \$79.95. A&E.

ACTION/ADVENTURE

Boiling Point

1993. Wesley Snipes, Dennis Hopper; dir. James B. Harris. Two strong leads—a Treasury agent and his con-man quarry—in L.A. film noir. Surround, cc. (R) 93 min. VHS, Sp.-subtitled VHS, Beta priced for rental. LD (letterboxed) \$34.98. Warner.

Sniper

1993. Tom Berenger, Billy Zane; dir. Luis Llosa. Surprisingly well-reviewed for a formula actioner, with hardened Marine and his novice partner stalking Colombian drug lord. Surround, cc. (R) 99 min. VHS priced for rental. 8mm \$29.95. LD (letterboxed) \$34.95. Columbia TriStar.

SPECIAL-INTEREST

**Ray Bradbury's Chronicles:
The Martian Episodes**

1990-91. David Carradine, Ben Cross, Hal Linden; various dirs. Sci-fi series compilation. Mono, cc. 100 min. VHS only, \$89.95. Worldvision.

Sade: Life Promise Pride Love

1993 comp. Thirteen sultry songs from her four albums, including *The Bodyguard's* "No Ordinary Love." Stereo. 55 min. VHS \$19.98. LD \$29.98. Epic.

**Toshiko Akiyoshi Jazz Orchestra:
Strive for Jive**

1991. Big-band sound from its number-one group, according to the readers and critics of *Downbeat Magazine*. Stereo. 48 min. VHS only, \$19.98. V.I.E.W. (800-843-9843).

The Great Waltz

1955. B&W. Musical about Johann Strauss Jr., from the Golden Age's *Max Liebman Presents*. (Liebman was the former producer of *Your Show of Shows*.) Mono. 78 min. VHS only, \$39.95. Video Artists International.

LASERDISCS

Animation Legend Winsor McCay

1993 comp. B&W/color. Includes every surviving film made by McCay, such as a hand-colored *Little Nemo* from 1911, good old *Gertie the Dinosaur* and *The Sinking of the Lusitania*. Stereo, windowboxed. 100 min. CAV 4 sides. \$59.95. Lumivision (800-776-LUMI).

Ay, Carmela!

1990. Carmen Maura, Andres Pajares; dir. Carlos Saura. Touring vaudevillians accidentally travel behind enemy lines in the Spanish Civil War. Mono, subtitled. (PG-13) 103 min. \$34.95. HBO.

Confidentially Yours

1983. B&W. Fanny Ardant, Jean-Louis Trintignant; dir. Francois Truffaut. Truffaut lights up Hitchcock with this fluffy murder mystery, starring a lovestruck secretary seeking to clear her boss's name. Mono, subtitled. (PG) 111 min. \$49.95. Criterion.

Joe Jackson: Laughter & Lust Live

1991. Jackson looks sharp in Sydney, with performances of "Steppin' Out," "Real Men" and more. Stereo. 75 min. \$34.95. Pioneer Artists.

Please Don't Eat the Daisies

1960. Doris Day, David Niven, Janis Paige; dir. Charles Walters. Drama critic and his family leave the nightmare of city living for the nightmare of country living. Mono, letterboxed. (NR) 111 min. \$34.98. MGM/UA.

The Student Prince

The Student Prince in Old Heidelberg

Double feature. *Student Prince*: 1954. Ann Blyth, Edmund Purdom; dir. Richard Thorpe. Stereo, letterboxed. (G) 107 min. *Heidelberg*: 1928. B&W. Ramon Novarro, Norma Shearer; dir. Ernst Lubitsch. Stereo. (NR) 105 min. Both interesting, the first for Mario Lanza's voice, the second for the ever-sparkling Lubitsch touch. \$44.98. MGM/UA.

The Unforgiven

1960. Burt Lancaster, Audrey Hepburn, Lillian Gish, Audie Murphy; dir. John Huston. Emotions rage out of control in 1850s Texas when a white family's adopted daughter is thought to be an Indian. Mono, letterboxed. (NR) 125 min. \$39.98. MGM/UA. ■



SIXTH AVENUE ELECTRONICS

We're reinventing the electronics store.

FULL LINE OF CANON ACCESSORIES IN STOCK

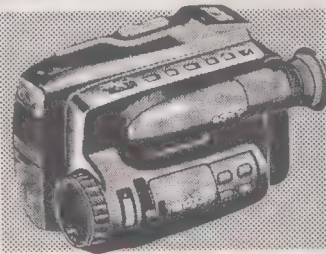


Canon UC1 8MM CAMCORDER

- 8X Zoom • Low Light
- Edit Switch • High Speed Shutter
- Super Imposer
- Wireless Remote Control

\$549⁹⁶

CANON A1 Digital **IN STOCK**
CANON L1 Pro Interchangeable Lenses
NIKON VN-720 **799.96**
NIKON VN-330 **649.96**



NIKON VN-750 HI-8 CAMCORDER

- Image Stabilizer • 10X Zoom • Low Light • Hi Fi Stereo
- High Speed Shutter
- Auto Focus

\$1099⁹⁶

YASHICA KX-V10 Color Viewfinder
YASHICA KX-35 **BEST PRICES**
RICOH R-18H MAJOR BRANDS
PAL SYSTEM EXPERTS ..CALL

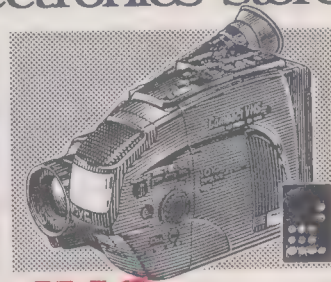


SHARP VL-E30U 8MM VIEWCAM

- 3" LCD Color View Screen • On Screen Menu
- 8X Zoom
- Flying Erase Head
- Remote Control

\$999⁹⁶

RCA PRO-883HB Hi 8 **CALL**
HITACHI VMH38A **CALL**
JVC GRSZ1 Super VHSC **IN STOCK**
JVC GRM-7Pro **CALL**



JVC GRAX-55U VHS-C CAMCORDER

- 10X Power Zoom • Low Light • Flying Erase Head
- High Speed Shutter
- Self Timer
- Program AE
- Wireless Remote

CALL

MAGNAVOX CVN-315 **499.96**
MITSUBISHI HS-C35 SVHSC **749.96**
RCA CC-178 Random Assembly Edit
RCA CC-540 24X Zm. Plus System

WE WILL BEAT YOUR BEST PRICE ON ALL FAMOUS BRANDS & MODELS GUARANTEED



SHARP VL-L62U VHS SLIMCAM CAMCORDER

- 1 Lux • Fully Auto
- High Speed Shutters • 12X Zoom • Flying Erase Head

\$549⁹⁶

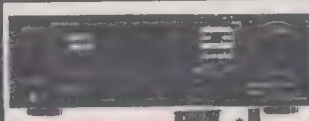


MITSUBISHI CS-35MX1 35" STEREO P-I-P TV

- On Screen Menus
- 181 Channel Cable Compatible • Full Function Remote
- M.S.R.P. \$2100

\$1599⁹⁶

MITSUBISHI CS27MX1 **599.96**
TOSHIBA CX35C60 **CALL**



YAMAHA RXV-870 160 WATT PRO LOGIC RECEIVER

- 5 Channels • Dolby Pro Logic Circuitry
- 40 Tuner Presets
- Remote Control
- M.S.R.P. \$899

\$699⁹⁶

DENON AVR-3000 **CALL**
NAD 705 **349.96**
ONKYO TSXV-313 PRO **299.96**



RCA PRO 865 8MM CAMCORDER

- Autofocus • Low Light • 8X Zoom
- High Speed Shutter
- Flying Erase Head
- Remote Control

\$499⁹⁶



MITSUBISHI HSU-56P 4 HEAD HI FI STEREO VCR

- On Screen Program
- Jog Shuttle Remote
- M.S.R.P. \$595

\$369⁹⁶

JVC HRS-6800 **CALL**
JVC HRS-4700 **CALL**
MITSUBISHI HSU-59 **499.96**
MITSUBISHI U82 Pro Edit **CALL**
TOSHIBA M-759 **449.96**
SHARP VCH-96U 9 Micron Heads

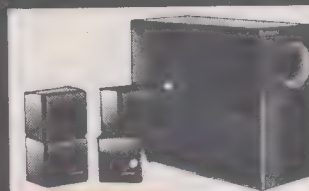


RCA LDR-300 COMBINATION LASER PLAYER

- One Bit Digital To Analog Converter
- 24 Programmable Selections
- M.S.R.P. \$599

\$279⁹⁶

MITSUBISHI MV-6022 **639.96**
YAMAHA CDV-870 **499.96**
WE CARRY A FULL LINE OF PIONEER



BOSE AM-5 SERIES II 100W ACOUSTIMASS SYSTEM

- Sub/Sat System
- Bass Module With Two 5 1/4" Woofers
- Compact Modular
- M.S.R.P. \$799

\$749⁹⁶

ACCESSORIES

- AZDEN Pro Wireless Mic **159.96**
- NADY 151 VR/LT Pro **139.96**
- Pro Fluid Head Tripod **89.96**
- Universal Fluid Tripod **49.96**
- HIRES 3X Telephoto Lens **169.96**
- HI BAND TeleWide Lens **169.96**
- 3 Piece Video Filter Kit **64.96**
- AZDEN Wide Angel Lens **49.96**
- KARAOKE Microphones **CALL**
- Wireless Headphones **99.96**
- SIMA SFX-5 **NEW**
- SIMA SFX-4 **CALL**
- VIDEONICS Titlemaker **369.96**
- VIDEONICS Thumbs-Up **169.96**
- VIDEONICS Edimaker **499.96**
- Full Line Of Digital Video/Audio Mixers

Mail Order 800 394-6283

201 467-0100 • MONDAY-FRIDAY 9AM-7PM • SATURDAY 10-6

NY Retail **1030 6th Ave**
New York, NY
OPEN MON/TUES/WED/FRI/SAT 9-6:30
THURS 9-8 • SUN 11-5

NJ Retail **331 Route 4W**
Paramus, NJ
OPEN 6 DAYS A WEEK
MONDAY THRU SATURDAY 10-9

NJ Retail **22 Route 22W**
Springfield, NJ 07081
OPEN 7 DAYS A WEEK • SUNDAY 11-6
MONDAY-SATURDAY 10-9



WE WILL BEAT YOUR BEST PRICE GUARANTEED

PRICES VALID THRU 10/1/93. LIMITED QUANTITIES. *REGISTERED TRADEMARK DOLBY LABORATORIES CORP. PICTURES ARE FOR ILLUSTRATION ONLY. NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS.

Circle 47 on Reader Service Card.

CAMERA sound

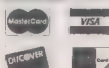
OF PENNSYLVANIA

U.S. AND CANADA
CALL TOLL FREE

1-800-477-0330

Inquiries and Customer Service
215-949-1086
215-949-1085

WORLD'S LARGEST PHOTO & VIDEO CAMCORDER DEALER!



Valley Forge
Best Plaza by The Music Fair
202 to Devon Exit
260 West Swedesford Rd.
Berwyn, PA 19312
215-889-3960
Hours: 10-9, Sun. 12-5

Philadelphia
1104 Chestnut St.
Phila., PA 19107
11th & Chestnut St.
Park Free (10th & Ludlow)
215-627-9580
Hours: 10-7

Oxford Valley
Oxford Point Shopping Center
Rt. 1 & Oxford Valley Road
110 Lincoln Highway
Fairless Hills, PA 19030
215-949-1086
Hours: 10-9, Sun. 12-5



Canon

A1 Digital

- DIGITAL SIGNAL PROC.
- AUTO TRACKING FOCUS / BACKLIGHTING CONTROL
- TRUE-TO-LIFE AFM HI-FI STEREO SOUND

E250

- 12x POWER ZOOM
- HI-FI STEREO
- WIRELESS
- REMOTE CONTROL

UCS1

- 10x AUTO FOCUS
- HI-FI 8mm
- FULLY AUTOMATIC

Authorized Dealer

SONY

Camcorders
Laser Disk Players
VCRs
Portable Audio
Hi-Fi

MINOLTA

C-518 (VHS-C)

- LIGHTWEIGHT, ULTRA-COMPACT DESIGN
- 8X POWER ZOOM LENS WITH AUTO MACRO
- 1 LUX LOW-LIGHT RECORDING

8-438 (8mm)

- EASY OPERATION, DIGITAL SIGNAL PROCESSING
- 16X DIGITAL ZOOM
- LOW LIGHT RECORDING

8-918 (Hi-Band 8mm)

- PROFESSION HIB CAMCORDER WITH 2-CCD PICKUP FOR TRUEST CO OR REPRODUCTION AND SHARPEST DETAIL

Authorized Dealer

Canon

L1

- 15x POWER ZOOM
- HI-BAND 8mm
- EOS ADAPTER

Authorized Dealer

RCA

CC177

- 8:1 Power Zoom
- Flying Erase Head
- 1 Lux Minimum Illumination
- Full Range Autofocus System
- 16x9 Recording
- Automatic Head Cleaner
- Video/Audio Fade Control

Panasonic

PV-103

- 20x1 Power Zoom
- 303 With Light
- 403 Color Viewfinder
- 503 Color Viewfinder
- 800 12x Power Zoom
- 810 w/Case & Light
- 760
- S770 VHS

VIDEO RECORDERS

SHARP

Best Quality TV SelectoCall

SONY JVC PIONEER

RCA

CC517

- 20:1 Zoom Plus™
- Digital Zoom to 80:1
- Flying Erase Head
- 2 Lux Minimum Illumination
- Quick-Response Infrared Autofocus
- Digital Signal Processing

RICOH

R-18H

- RICOH OPTICS
- 10 X 1 ZOOM
- HI-FI STEREO
- PROGRAM AE
- WIRELESS REMOTE
- DIGITAL SUPERIMPOSER

TOO LOW TO ADVERTISE

RCA

CC180

- 8:1 Power Zoom Lens
- Auto Focus System
- 3 Lux Low Light Sensitivity
- Variable High-Speed Shutter
- Age Insert
- Flying Erase Head

JVC

GR-AW1

- Water Resistant Body
- 3-Lux Low-Light Sensitivity
- Full Range AF with Auto Macro
- Digital Superimpose with 8 Colors
- 6x Power Zoom Lens

RCA

Pro 807

- 8:1 Power Zoom Lens
- Flying Erase Head
- Full-Function Wireless Remote Control
- 1 Lux Minimum Illumination
- Full-Range AutoFocus System
- Program AE (Auto Exposure)

MINOLTA

8-848

- High-band 8mm image quality with Hi-Fi stereo sound
- Electronic Image Stabilization
- 8x-64x Tri Zoom in an ultra-slim and lightweight body
- Digital autofocus, AI fuzzy logic control, digital filter & fade

RCA

VR 667HF

- VCR Plus+1 Programming System with Cable Box Channel Control
- 4-Head Video System
- VHS Hi-Fi Stereo Recording / Playback
- Automatic Head Cleaning System
- Front Audio/Video Input Jacks

Canon

UCS2

- Canon 8x zoom lens for high resolution images
- Hi8 format for superior picture quality
- Connects to any TV or VCR for immediate playback
- Full-range precision Autofocus
- 3-mode Programmed Auto Exposure

RCA

Pro 870

- 16:1 Zoom Plus™
- Digital Zoom to 64:1
- Flying Erase Head
- Full Function Wireless Remote
- 1 Lux Minimum Illumination
- Quick-Response Infrared AutoFocus

RCA

CC187

- 8:1 Power Zoom
- Flying Erase Head
- 3 Lux Minimum Illumination
- Full-Function Wireless VCR/Camcorder
- Full-Range AutoFocus System
- 16x9 Recording

MINOLTA

Maxxum 8000i

- Maxxum 7000i
- Maxxum 5000i
- Maxxum 9000
- New Maxxum 9xi
- New Maxxum 7xi
- New Maxxum 5xi
- New Maxxum 3xi
- New Maxxum 2xi
- New Maxxum SPXi

Canon

EOS 10S

- EOS Elan
- EOS 10S
- New EOS Rebel II
- New EOS Rebel SLI
- EF 50 1.8
- EF 28 2.8
- EF 35-80 1.4

Nikon

N4004S

- N5005
- N6006
- N8008S
- New N90
- F4
- F4S
- AF 50 1.8
- AF 50 1.4

OLYMPUS

New Infinity Zoom 3000

- Infinity Zoom-330
- New Infinity 230
- Infinity Zoom 210
- OM 4T
- OM 4T Black

LENSES

- 24/2.8
- 28/2.8

RICOH

Tru Zoom

- SM Ultra Dual
- SM Ultra Zoom
- SM FP9SD
- Mirai 35
- Mirai Zoom3
- KR-5 Super
- KR-10M
- KR-30 SP

PENTAX

New Espio 35-70 Zoom

- IQ-700
- IQ-700D
- IQ-900
- IQ-Zoom 90WR
- IQ-60
- IQ-60XD
- IQ-70R

bogen

PHOTO & VIDEO

- 3000 w/3-D Head
- 3003 w/3029 Head
- 3010 w/3-D Head
- 3020 w/3-D Head
- 3023w/3021+3047hd
- 3124 w/3011+mic hd
- 3150 w/3051+mic hd
- 3170 w/7001+mic hd
- 3214 w/3211+3047 III

tamrac

TeleZoom Pak

19.85

COMPLETE TAMRAC LINE IN STOCK CALL FOR PRICE

AZDEN

WLX-PRO

WHX-PRO

CAM-3

CALL

Kodak

SLIDE PROJECTORS

- 4200
- 4400
- 4600
- 5600
- 102mm f2.8
- 102-150mm Zoom

SUNPAK

SUNPAK USA WARRANTY

- 433AF
- 544
- 555
- 622 Super
- Zoom Head
- DX-12R Ring Light
- 120W Autopro
- Auto Pan Head

"SHOPPING WITH US IS AS PLEASANT AS A WALK IN THE PARK"

TO ORDER TOLL FREE CALL!

MARINE PARK

CAMERA & VIDEO INC.

BUSINESS HOURS

Mon. - Thurs. 9:30am to 8:00pm
Friday 9:30am to 6:00pm
Closed Saturdays
Sunday 10:00am - 7:00pm
3126 AVENUE U
BROOKLYN, NY 11229

1-800-448-8811

FOR INQUIRIES ON PLACED ORDERS

718-891-1844

LOCAL & OVERSEAS CALL

718-891-1878



WE ACCEPT MAJOR CREDIT CARDS
WITH A \$10.00 MONTHLY SERVICE FEE

WE SHIP WORLDWIDE! OVERNIGHT SHIPPING AVAILABLE!

CANON NIKON MINOLTA PENTAX VIVITAR TOKINA SONY JVC PANASONIC SHARP PIONEER

Panasonic



PV-22 589.99
PV-S372 899.99
PV-362 669.99
PV-332 599.99

FULL SIZE VHS

PV-S770 969.99
PV-810 589.99
PV-800 579.99
PV-760 819.99
PV-710 569.99
PV-704 489.99
PV-700 479.99

PRO INDUSTRIAL LINE

AG-460 2289.99
AG-455 1449.99
AG-450 CALL
AG-3 2319.99

VCRS

AG-W1 1439.99
AG-1970 1099.99



PV-43 \$819.99
PALM SIZE, DIGITAL IMAGE STABILIZER

AG-1740 289.99
AG-1270 244.99
WJ-MX50 3749.99
WJ-MX30 2479.99
WJ-MX12 1519.99
WJ-AVE5 1149.99
WJ-AVE3 329.99
WJ-TTL5 204.99
AG-A96 279.99
CT-1383Y 229.99

SONY



CCD-TR101 \$999.99
10X1 ZOOM, HI8MM, IMAGE STABILIZER, PALM SIZE



CCD-TR71 \$589.99
10X1 ZOOM, HI-FI, 2 LUX, PALM SIZE

CAMCORDERS

CCD-FX710 784.99
CCD-FX620 709.99
CCD-FX520 639.99
CCD-FX420 569.99
CCD-FX510 579.99
CCD-FX410 529.99
CCD-FX310 519.99
CCD-TR-300 1009.99
CCD-TR-81 789.99
CCD-TR-61 669.99
CCD-TR-31 564.99
CCD-TR-9 519.99
CCD-VX3 3049.99



CCD-TR200 \$749.99
HI-8, HOME TERMINAL FEATURE, SUPER QUICK ZOOM, 410,000 PIXELS



CCD-FX520 \$639.99
10X1 ZOOM, 1 LUX, HI-FI

JVC

GR-M50 \$549.99

SHARP

Canon

VIDEO
Reader Service Card

VIDEO
Reader Service Card

Name _____
(please print)
Address _____
City _____ State _____ Zip _____
Telephone Number (with Area Code) _____

Name _____
(please print)
Address _____
City _____ State _____ Zip _____
Telephone Number (with Area Code) _____

- What size is your primary viewing TV?
20"-25" A ☐ 27"-25" B ☐ 25"-27" C ☐ 35"+ D ☐
- Approximately how many hours per day do you watch TV?
0-2 E ☐ 3-5 F ☐ 6-10 G ☐
- How far in advance do you plan your TV viewing?
1 hour H ☐ 1 day I ☐ 1 week J ☐ No Planning K ☐
- Do you tape "series" programming (i.e. soap operas, mini-series)?
Yes L ☐ No M ☐
- Which sources do you use to plan TV viewing?
Daily Newspaper N ☐ Cable Guide O ☐ Weekly Newspaper Insert P ☐
TV Guide Q ☐ Other R ☐
- How many programs do you tape per week?
1-5 S ☐ 5-7 T ☐ 7+ U ☐
- If programming your VCR was made easier would you record additional shows?
Yes V ☐ No W ☐
- Are you currently a subscriber to VIDEO? Yes X ☐ No Y ☐

Please circle product numbers to receive desired information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195

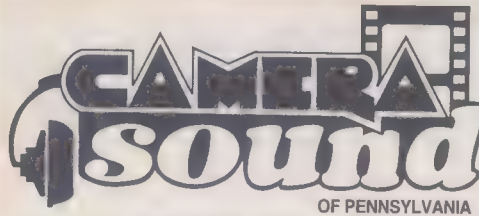
Allow 6-8 weeks for delivery. Card expires 12/19/93 RS993

- What size is your primary viewing TV?
20"-25" A ☐ 27"-25" B ☐ 25"-27" C ☐ 35"+ D ☐
- Approximately how many hours per day do you watch TV?
0-2 E ☐ 3-5 F ☐ 6-10 G ☐
- How far in advance do you plan your TV viewing?
1 hour H ☐ 1 day I ☐ 1 week J ☐ No Planning K ☐
- Do you tape "series" programming (i.e. soap operas, mini-series)?
Yes L ☐ No M ☐
- Which sources do you use to plan TV viewing?
Daily Newspaper N ☐ Cable Guide O ☐ Weekly Newspaper Insert P ☐
TV Guide Q ☐ Other R ☐
- How many programs do you tape per week?
1-5 S ☐ 5-7 T ☐ 7+ U ☐
- If programming your VCR was made easier would you record additional shows?
Yes V ☐ No W ☐
- Are you currently a subscriber to VIDEO? Yes X ☐ No Y ☐

Please circle product numbers to receive desired information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195

Allow 6-8 weeks for delivery. Card expires 12/19/93 RS993



U.S. AND CANADA
CALL TOLL FREE **1-800-477-0330**

Inquiries and Customer Service
215-949-1086
215-949-1085

WORLD'S LARGEST PHOTO & VIDEO CAMCORDER DEALER!



Valley Forge
Best Plaza by The Music Fair
202 to Devon Exit
260 West Swedestord Rd.
Berwyn, PA 19312
215-889-3960
Hours: 10-9, Sun. 12-5

Philadelphia
1104 Chestnut St.
Phila., PA 19107
11th & Chestnut St.
Park Free (10th & Ludlow)
215-627-9580
Hours: 10-7

Oxford Valley
Oxford Point Shopping Center
Rt. 1 & Oxford Valley Road
110 Lincoln Highway
Fairless Hills, PA 19030
215-949-1086
Hours: 10-9, Sun. 12-5



Canon



A1 Digital

- DIGITAL SIGNAL PROC.
- AUTO TRACKING FOCUS
- BACKLIGHTING CONTROL
- TRUE-TO-LIFE AFM HI-FI STEREO SOUND



E250

- 12x POWER ZOOM
- HI-FI STEREO
- WIRELESS
- REMOTE CONTROL



UCS1

- 10x AUTO FOCUS
- HI-BAND 8mm
- FULLY AUTOMATIC

Authorized Dealer

SONY

Camcorders

Laser Disk Players

VCRs

Portable Audio

Hi-Fi

MINOLTA



**C-518
(VHS-C)**

- LIGHTWEIGHT, ULTRA-COMPACT DESIGN
- 8X POWER ZOOM LENS WITH AUTO MACRO
- 1 LUX LOW-LIGHT RECORDING



**8-438
(8mm)**

- EASY OPERATION, DIGITAL SIGNAL PROCESSING
- 16X DIGITAL ZOOM
- LOW LIGHT RECORDING

Authorized Dealer



**8-918
(Hi-Band 8mm)**

- PROFESSION H18 CA CORDER WITH 2-CCD PICKUP FOR TRUEST CO OR REPRODUCTION AND SHARPEST DETAIL

Canon



L1

- 15x POWER ZOOM
- HI-BAND 8mm
- EOS ADAPTER

RCA



CC177

- 8:1 Power Zoom
- Flying Erase Head
- 1 Lux Minimum Illumination
- Full Range Autofocus System
- 16x9 Recording
- Automatic Head Cleaner

Panasonic



- PV-10 203 10X Power Zoom.....Call
- PV-10 303 With Light.....Call
- PV-10 403 Color Viewfinder.....Call
- PV-10 503 Color Viewfinder.....Call
- PV-800 12x Power Zoom.....Call
- PV-810 w/Case & Light.....Call
- PV-760.....Call
- PV-S270 SVHS.....Call

SHARP



Best Quality TV SelectoCall

**SONY
JVC**

RCA



CC517

- 20:1 Zoom Plus™
- Digital Zoom to 80:1
- Flying Erase Head
- 2 Lux Minimum Illumination
- Quick-Response Infrared Autofocus

RICOH



R-18H

- RICOH OPTICS
- 10 X 1 ZOOM
- HI-FI STEREO
- PROGRAM AE
- WIRELESS REMOTE
- DIGITAL SUPERIMPOSER

RCA



CC180

- 8:1 Power Zoom Lens
- Auto Focus System
- 3 Lux Low Light Sensitivity
- Variable High-Speed Shutter
- Auto Index

VIDEO
460 West 34th Street
New York, NY 10117-0460

VIDEO
460 West 34th Street
New York, NY 10117-0460

PLACE
STAMP
HERE

PLACE
STAMP
HERE

"SHOPPING WITH US IS AS PLEASANT AS A WALK IN THE PARK"

TO ORDER TOLL FREE CALL!

MARINE PARK

CAMERA & VIDEO INC.

BUSINESS HOURS

Mon. - Thurs. 9:30am to 8:00pm
Friday 9:30am to 6:00pm
Closed Saturdays
Sunday 10:00am - 7:00pm
3126 AVENUE U
BROOKLYN, NY 11229

1-800-448-8811

FOR INQUIRIES ON PLACED ORDERS

718-891-1844

LOCAL & OVERSEAS CALL

718-891-1878



WE ACCEPT MAJOR CREDIT CARDS
WITH AUTHORITY TO PURCHASE

WE SHIP WORLDWIDE! OVERNIGHT SHIPPING AVAILABLE!

Panasonic



PV-1Q503 \$669.99
COLOR LCD, V.F. HI FI STEREO, 1 LUX

VHS-C
PV-1Q503 669.99
PV-1Q403 599.99
PV-1Q303 569.99
PV-1Q203 549.99
PV-S63 1059.99
PV-S62 989.99
PV-52 899.99
PV-43 749.99
PV-42 819.99
PV-42 739.99
PV-32 719.99

PV-22 589.99
PV-S372 899.99
PV-362 669.99
PV-332 599.99

FULL SIZE VHS

PV-S770 969.99
PV-810 589.99
PV-800 579.99
PV-760 819.99
PV-710 569.99
PV-704 489.99
PV-700 479.99

PRO INDUSTRIAL LINE

AG-460 2289.99
AG-455 1449.99
AG-450 CALL
AG-3 2319.99

VCRS

AG-W1 1439.99
AG-1970 1099.99



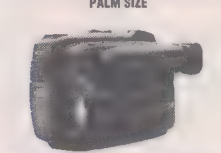
PV-43 \$819.99
PALM SIZE, DIGITAL IMAGE STABILIZER

AG-1740 289.99
AG-1270 244.99
WJ-MX50 3749.99
WJ-MX30 2479.99
WJ-MX12 1519.99
WJ-AVE5 1149.99
WJ-AVE3 329.99
WJ-TTL5 204.99
AG-A96 279.99
CT-1383Y 229.99

SONY



CCD-TR101 \$999.99
10X1 ZOOM, HI8MM, IMAGE STABILIZER, PALM SIZE



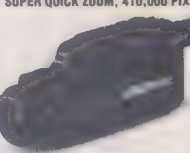
CCD-TR71 \$589.99
10X1 ZOOM, HI-FI, 2 LUX, PALM SIZE

CAMCORDER

CCD-FX710 784.99
CCD-FX620 709.99
CCD-FX520 639.99
CCD-FX420 569.99
CCD-FX510 579.99
CCD-FX410 529.99
CCD-FX310 519.99
CCD-TR-300 1009.99
CCD-TR-81 789.99
CCD-TR-61 669.99
CCD-TR-31 564.99
CCD-TR-9 519.99
CCD-VX3 3049.99



CCD-TR200 \$749.99
HI-8, HOME TERMINAL FEATURE, SUPER QUICK ZOOM, 410,000 PIXELS



CCD-FX520 \$639.99
10X1 ZOOM, 1 LUX, HI-FI

JVC



GR-M5U \$549.99

GR-AX5 489.99
GR-AX10 554.99
GR-AX5U 659.99
GR-AX35U 599.99
GR-AX33 549.99
GR-AX25U CALL



GR-M7U \$699.99

GR-AX50 619.99
GR-AW1 WATER RESISTANT 579.99
GR-M5U 549.99
GR-SX90 779.99
PLEASE CALL FOR OTHER JVC PRODUCTS

SHARP



VL-L63U CALL

VL-N1U 559.99
VL-HX10U CALL



VL-L72U \$619.99

VL-HL100U 1439.99
VLMX6 TWIN 8MM 539.99

Canon



L-1 (PRO) \$1799.99

H-850 649.99
A-1 Digital 1099.99
UC-S3 1084.99
UC-S2 759.99



A-1 DIGITAL \$1099.99

UC-S1 589.99
UC-1 589.99
UC-20 824.99
E-67 619.99

E-65 499.99
E-57 579.99
E-520 499.99
E-210 484.99
E-350 599.99

RECA



CC-540 VHS CALL
CC-412 VHS CALL
CC-190 VHS-C CALL
CC-188 VHS-C CALL
CC-178 VHS-C CALL
CC-174 VHS-C CALL



PRO 930 8MM CALL
PRO 883 8MM CALL
PRO 840 8MM CALL
PRO 830 8MM CALL
PRO 808 8MM CALL

MINOLTA



8-918 1379.99
8-848 CALL
8-808 CALL
8-438 CALL
8-428 509.99



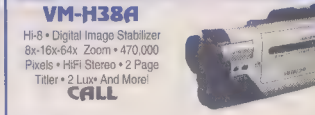
NEW R-87H
Hi-8 • Home Terminal Feature
Super Quick Zoom • 410,000 Pixels
IN STOCK ...CALL
NEW R-16 **IN STOCK**

RICOH



R-18H
Hi-8 • Digital Image
Stabilization • 10:1 Zoom
IN STOCK ...CALL

HITACHI



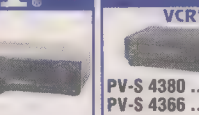
VM-H38A
Hi-8 • Digital Image Stabilizer
8x16x64x Zoom • 470,000 Pixels
Pixels • HiFi Stereo • 2 Page
Tiller • 2 Lux • And More!
CALL
VM-H39A **CALL**
VM-E53A **CALL**
VM-E55A w/Stabilizer **CALL**

SONY



EV-450 \$334.99

EV-C40 299.99
EV-S550 449.99
EV-S2000 CALL
EV-S3000 1209.99
EV-S900 1299.99
GV-S00 769.99
GV-S50 739.99
GV-M20 549.99
PLEASE CALL FOR OTHER SONY PRODUCTS



SLV-696HF 379.99

SLV-R5 799.99
NEW SLV-900HF 419.99
NEW SLV-750HF 389.99
NEW SLV-700HF 339.99
SLV-896HF 369.99
SLV-595HF 329.99
NEW SLV-400 234.99
BETA
SL-S600 259.99
SL-HF360 349.99
SL-HF870D 699.99
SL-HF2100 1199.99
SL-HF2000 CALL

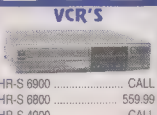
Panasonic



PV-S 4380 CALL

PV-S 4366 \$414.99
PV-4361 \$309.99
PV-4351 \$259.99
PV-4314 \$229.99
PV-S201 \$209.99
PV-4301 \$199.99
PV-S 4280 \$559.99
PV-S 4270 \$389.99
PV-S 4266 \$374.99
PV-4264 \$369.99
PV-4262 \$299.99
PV-4260 \$279.99
PV-4250 \$259.99
PV-4210 \$199.99

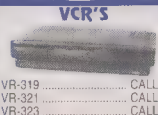
JVC



HR-S 6900 CALL

HR-S 6800 559.99
HR-S 4900 CALL
HR-S 4700 419.99
HR-V700 CALL
HR-VP606 CALL
HR-VP604 CALL
HR-J600 299.99
HR-J400 219.99
HR-J200 189.99

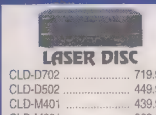
RECA



VR-319 CALL

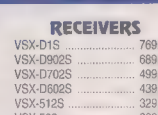
VR-321 CALL
VR-323 CALL
VR-S01 CALL
VR-S06 CALL
VR-S26A CALL
VR-537HF CALL
VR-601HF CALL
VR-658HF CALL
VR-664HF CALL
VR-677HF CALL
VR-720HF CALL
VR-800HF 8MM CALL

PIONEER



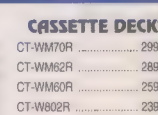
RECEIVERS

CLD-D702 719.99
CLD-D502 449.99
CLD-M401 439.99
CLD-M301 369.99
CLD-S201 299.99
CLD-S090 679.99
CLD-2090 509.99
CLD-1090 349.99
CLD-990 289.99
CLD-M90 439.99
Karaoke CLD-V510 429.99
Karaoke CLD-V710 529.99
Karaoke CLD-V720 519.99
Karaoke CLD-V820 579.99
PIONEER MICROPHONES
AVAILABLE



RECEIVERS

VSX-D15 769.99
VSX-D902S 689.99
VSX-D702S 499.99
VSX-D602S 439.99
VSX-512S 329.99
VSX-502 299.99
VSX-402 229.99
SX-312R 169.99
SX-251R 149.99
SX-201 129.99



CD'S PLAYERS

PD-TM3 299.99
PD-DM902 259.99
PD-M702 179.99
PD-M502 154.99
PD-TM2 294.99
PD-DM802 219.99
PD-M552 159.99
PD-202 109.99

ACCESSORIES



Edit Maker 459.99
Video Equalizer 209.99
Thumbs Up
Video Editor 159.99
Processor Plus 109.99
Sound Effects
Mixer 114.99
Video Title Maker 339.99
Direct Ed Plus 359.99
Graphics Libraries 37.99

ACCESSORIES



EDI II 64.99
EDI II 129.99
FX EDI II 179.99
FX EDI II 339.99
Screenwriter 127.99
Copy Kit 2 33.99
Copy Kit 3 69.99
Stereo Sound Mixer 39.99
Video Prop 23.99
Booster Box 19.99

ACCESSORIES



COLOR MONITORS
M-329 3" \$119.99
M-938 3.8" 189.99
M-329 Mdl CALL
TV Tuner 59.99
Car Adapter 29.99
AC Adapter 19.99
M-329 3 inch color Monitor
PAL available 119.99

ACCESSORIES



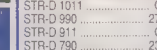
NEW! C2200 Auto 54.99
NEW! C2200 44.99
CV300 Auto 79.99
CV-300 49.99
CV-320 39.99
CV-20S Auto CALL
Ready Light CALL
Remote Control AutoPan
Head - AP1000 229.99

ACCESSORIES



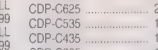
JX-T66 Character
Generator 144.99
JX-T86 Character
Generator 259.99
JX-SV55 Video
Editing Processor 334.99
JX-S300 AV Selector 189.99
JX-S900 Remote Control
AVIS-VHS Switcher 444.99

ACCESSORIES



RECEIVERS
STR-D 2090 619.99
STR-D 1990 389.99
STR-D 1011 CALL
STR-D 990 279.99
STR-D 811 CALL
STR-D 790 239.99
STR-D 590 159.99
LASER DISCS
MDP-805 539.99
MDP-455 349.99
MDP-K5 Karaoke 729.99
CASSETTE DECKS
TC-WR875 289.99
TC-WR790 234.99
TC-WR690 179.99
TC-WR590 139.99
TC-WR490 139.99
TCC-521 189.99

ACCESSORIES



CD'S
CDP-C910 279.99
CDP-C735 264.99
CDP-C625 234.99
CDP-C535 199.99
CDP-C435 169.99
CDP-C335 164.99
SONY M2-1 MINI DISC PORTABLE RECORDER ONLY \$579
MINI COMPONENT SYSTEM
MHC-1750 439.99
MHC-2750 559.99
MHC-3750 699.99
RME-300 479.99
RME-700 629.99

ACCESSORIES



RECEIVERS
RX-1050 VTN 839.99
RX-905 VTN 579.99
RX-809 VTN 344.99
RX-709 VTN 274.99
RX-509 VTN 209.99
CASSETTE DECKS
TD-V1050 TN 369.99
TD-V 661 TN CALL
TD-R 441 TN CALL
TD-W709 TN CALL
TD-W309 TN 149.99
CD'S
XL-T1050 TN 439.99
XL-Z451 TN 124.99
XLM-403 TN 179.99

Prices Valid only through the corresponding Magazine Issue. All Merchandise is brand new. To Order: Use any major credit card. COD's are welcome or send a money order, certified check or cashiers check. Please allow 4 weeks for Personal checks. Call for Shipping & Handling charges. Any refunds or exchanges must be made within 14 days of receipt of goods. All returns are subject to inspection. Shipping and Handling fee is non-refundable. All returns must be in original packaging and unopened. Manufacturers must be clear of any tape, writing or markings. No EXCEPTIONS. These are price and mail order prices only. Store prices and availability are different. If you wish to come into the store, please call ahead to check on availability and to reserve merchandise with salesperson. Remember the salesperson's name. Some products carry international warranties. USA warranty does not apply in most countries. Quantities are limited. We reserve the right to limit quantities. Not responsible for printing or mailing errors.

Circle 49 on Reader Service Card

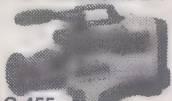
CANON NIKON MINOLTA PENTAX VIVITAR TOKINA SONY JVC PANASONIC SHARP PIONEER



Export Inquires Welcome! Se Habla Español Your Industrial/Professional Experts!

We Will Beat any Authorized Stocking Dealers Price On Any Product We Carry

Panasonic SVHS CAMCORDER



AG-455

S-VHS Camcorder/Source VCR for Editing, 12x. 2 Speed Zoom lens, 24x & 100x Digital Zoom, Digital Special Effects, Wipe, Fade, Mix, Strobe, etc. Special Effects

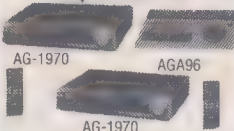
Panasonic CAMCORDER



AG-195

VHS Camcorder with Digital Special Effects, 8x Zoom lens with 2 speeds, Digital 12x or 100x zooms. Digital Special Effects like wipe, fade, strobe and mix.

Panasonic EDIT SYSTEM



S-VHS/VHS editing, insert and assemble edit, Hi-Fi Stereo sound. Jog shuttle search, and Multiple program-able edits

Panasonic AG-EP60



COLOR VIDEO PRINTER
Capable of making prints from VCR's, Camcorders, Cameras, TVs and Computers. Split print features can produce passport photos.

Panasonic DS-2550(WV-F250HB/ AG-7450/WV-S290)



3 fit CCD camera package, 700 lines res. for excellent picture quality, SVHS docking recorder with amphibious heads for improved picture quality & long life, complete w/ Fujinon 12x lens, shotgun mic & carrying case.

Panasonic WJ-MX50



Digital special effects switcher with 4 Y/C and/or composite inputs, 287 digital effects, 4 channel audio mixer w/ balanced XLR/line level audio inputs, audio-follow-video, chroma & luminance keyer, 2 channel color corrector, multi color matte generator, more.

VIDEO/DATA PROJECTORS



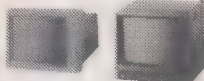
Several different brands of video and data projectors available. Please tell us your application and we will recommend one suitable for your needs.

SONY EVO-9700



HI-8 EDIT SYSTEM
Single unit with built-in play and record VCR's. Assemble & Insert editing, S-Video In and Out connectors, Jog shuttle, dial search at 19x the normal speed. Call for detail brochure - Monitor Optional.

SONY



VIDEO MONITOR

We carry different size 8" to 32" video monitors with 400-900 lines of resolution. Some of the models we stock: PVM-8041, PVM-5340, PVM-1390, PVM-2220, PVM-1341, PVM-1342, PVM-2040, PVM-1942, PVM-2030

SONY EVW-300



3 CCD/Hi-8 CAMCORDER
One piece camcorder, very portable, High Density 1/2" IT CCD's AFM HiFi recording, 1.5" Viewfinder, Hi8 Time Code, Auto trace white balance. Please call for a detail brochure.

SONY U-MATIC VTR's



U-Matic & U-Matic SP video players and recorders in stock for immediate delivery. Some of the model numbers we stock VP-7020, VO-7600, VP-9000, VO-7600, VO-9600 and VP-7040.

SONY



MICROPHONES

ECM-44, ECM-55, ECM-77, ECM-672 and other mics available for immediate delivery.

SAMSON



WIRELESS MICS

MR1 Compact receiver with dbx noise reduction. Removable flexible antenna, uses 9V battery. There are several different Lavaliere and Hand held microphone options available suited for different types of application. Microphones used are Shure or Sony. Please call for recommendations.

BATTERY BELTS

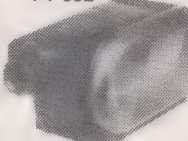
Battery belts available in 12Volts or 24Volts with 6, 12, 20 or 30 AH power. Both cigarette lighter or 4 pin XLR output available. Please specify when ordering



BATTERIES

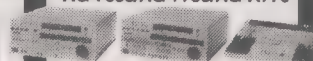
Industry standard BRICK batteries in different series (Pro-pack, Logic or Digital Pro-pack) available

LCD PROJECTORS PT-30L



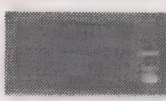
We carry Panasonic and other name brand LCD video projectors. Please inquire for current model numbers and pricing.

Panasonic AG-7650/AG-7750/AG-A770



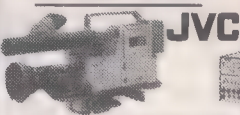
Pro SVHS editing system w/built-in digital TBC & noise reduction for excellent multi-generation dubbing quality, 4 CH of audio/on, screen menu for set-up and data, RS-422 controller has 128 event memory, auto-tag and split editing for fast and accurate editing (+/- 0 frames accuracy w/TC)

FutureVideo



EDIT CONTROLLER

Featuring the EC-1000 "Pro Mk II" w/ a built in RS-232 port for computer control. Hrs., min., sec., frame display. Reads RC time code, 8 scene memory. Compatible w/ control L&S VTRS and Panasonic AG-1960/1970.



3 CHIP CAMERA/S-VHS DOCKING RECORDER

KY17 1/2" FIT chips, virtually no smear with new FIT chips. Self diagnostic feature displays the status in the viewfinder. Over 400 lines recording, Intercom connector, Stereo audio connector.

bogen



TRIPODS

3194 Tripod is suitable for most 3 Chip cameras and Camcorders, has fluid Clawball head for easy leveling. 3167 Dolly is very heavy duty built with 4" lockable wheels. Other models also available

Canon Hi-8 CAMCORDER L1



L1 is the professional Hi-8 Camcorder with interchangeable lenses, TTL through the lens, autofocus, Fade In/Out, Freeze frame, High speed shutter up to 1/10,000 of second. Character generator, Digital special effects

TAO PC-BASED A/B ROLL EDITING SOFTWARE CONTROLLER

Built-in SMPTE time code generator/reader. Built-in switcher controller for the video toaster, GVG-100 and Panasonic M-50. Multi event up to 16,000 events, preview, perform, review, auto assemble of EDL, Audio Video Insert, Tape logging and more features. Please ask for detail brochure (equipment required - PC with Windows 3.1).

VIDEONICS



TITLE MAKER

Over 400 lines resolution, Several different font styles, Outline and Drop shadow, Scrolling many different backgrounds. An excellent value for the money.



PROFESSIONAL EDITING SYSTEM

S-VHS insert and assemble editing. 4 channel audio, optional plug in time code and TBC's. Self diagnostic warning system, Automatic head cleaning, On screen menu display.

lowel



LOWEL LIGHTS

Complete kits available with 2/3/4 lights. FREE CASE INCLUDED.

TAPES

JVC VHS T-120	2.25
JVC S-VHS ST-120	6.89
Sony 3/4" KCS-20 BRS (Mini)	8.69
Sony 3/4" KCA-60 BRS	12.99
Sony 3/4" KCS-20XBR (Mini)	9.79
Sony 3/4" KCA-60XBR	14.99
Sony 3/4" SP KSP-20 (Mini)	10.69
Sony 3/4" SP KSP-60	16.39
Sony 8mm P6-120MP	4.69
Sony Hi-8 Metal P6-120HMP	7.99
Sony Hi-8 Metal Evap. P6-120HME	12.99
3M S-VHS ST-120 Broadcast w/case	10.89

PANASONIC JVC SONY PROFESSIONAL / INDUSTRIAL / CONSUMER AUTHORIZED DEALER SERVICE CENTER

232 West 38th Street, Houston, TX 77018
Order 1-800-622-6599 USA & Mexico
Order 1-800-833-1970 Canada

Open Monday - Friday 9:00 a.m. - 6:00 p.m. Central Time
Houston & Customer Service 713-694-6400
Fax 1-800-833-1960 or 713-699-6700



All merchandise shipped with manufacture supplied accessories. Extended warranties available on some products. We ship within one working day via UPS or Federal Express. Prices quoted over the phone are for mail order only. In store prices may be slightly higher. All prices quoted are F.O.B. Houston & all sales are final. Defective merchandise must be exchanged within 90 days of receipt of goods. Please call for exchange authorization. All prices subject to change without notice. Vidicom is an authorized GSA Supplier.

New West

ELECTRONICS

...the
folks
who
care

- CAMCORDERS • VCRs
 - INDUSTRIAL
- TVs AND MONITORS
- LASER DISC PLAYERS
- AUDIO COMPONENTS
 - SPEAKERS
 - KARAOKE
 - RADAR
- A COMPLETE LINE OF ACCESSORIES

• **FREE
DELIVERY***



• **HONEST
PRICE**

• **FRIENDLY
SERVICE**

ALL MAJOR BRANDS

1-800-488-8877

[SAME IN CANADA]



CODs & POS WELCOME
NO ADDITIONAL CHARGE FOR CREDIT CARDS

**CALL TOLL-FREE MON-FRI: 6:30AM – 7:00PM,
SAT: 7:00 AM – 6:00 PM SUN: 7:00 AM – 5:00 PM PACIFIC TIME**

NEW WEST ELECTRONICS • 4120 MERIDIAN, BELLINGHAM, WA 98226
A DIVISION OF CLARITY ELECTRONICS, LTD.

*ON CAMCORDERS AND VCRs

**New
West**
ELECTRONICS

...the
folks
who
care

HONEST
PRICE

FRIENDLY
SERVICE

FAST
DELIVERY

- CAMCORDERS
- VCR's
- INDUSTRIAL
- TV's AND MONITORS
- LASER DISC PLAYERS
- AUDIO COMPONENTS
- SPEAKERS
- KARAOKE
- RADAR
- A COMPLETE LINE OF ACCESSORIES

ALL MAJOR BRANDS

FREE DELIVERY*

NO ADDITIONAL CHARGE
FOR CREDIT CARDS



CODs & POs WELCOME

NEW WEST • A DIVISION OF CLARITY ELECTRONICS LTD.
4120 MERIDIAN • BELLINGHAM, WA. 98225

* ON CAMCORDERS AND VCRs

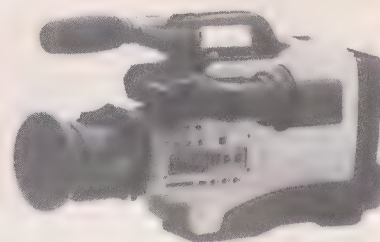
CALL TOLL FREE

800-488-8877

**SPECIAL
OF THE MONTH**

Panasonic

AG-4550



**PANASONIC'S LATEST
AND GREATEST!**

FEATURES INCLUDE :

- SUPER LOW-LUX
- VITC GENERATOR
- 12X ZOOM
- MONITOR SPEAKER
- STEREO ZOOM MIC
- DIGITAL FEATURES

INCLUDE :

- DIGITAL MIX
- DIGITAL TRACER
- DIGITAL STILLS
- DIGITAL STROBE
- DIGITAL WIPES

CALL TODAY FOR A GREAT
DEAL ON THIS OR ANY OF
PANASONIC'S INNOVATIVE
INDUSTRIAL VIDEO
PRODUCTS.

**PACKAGE INQUIRIES
ENCOURAGED!
CALL TODAY!**

ALL TIMES PST.

MON-FRI: 6:30am - 6:30pm
SAT: 7:00am - 6:00pm
SUN: 7:00am - 5:00pm

ABE'S

CAMERAS & ELECTRONICS OF MAINE

1957-61 CONEY ISLAND AVE BROOKLYN, NY 11223

INTERNATIONALLY RENOWNED!

ORIGINALLY FROM OLD ORCHARD BEACH MAINE

CALL TOLL FREE! IN NY & OUT OF STATE

1-800-528-2237



OPEN SUNDAYS!
10:00AM to 7:00PM EST
MON/THURS 9:15"-8:30"
FRIDAY 9:15"-6:00"
SUNDAY 10:00"-7:00"
CLOSED SATURDAY

PRICES VALID UNTIL END OF MONTHLY ISSUE

Ask about
**OVERNIGHT
DELIVERY**

For inquiries on orders already
placed and Shipping Information
Call: 10:30am to 5:00pm EST
1-718-645-1818
OR
1-800-992-2379

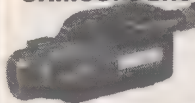
From Overseas Call
1-718-645-1818

FAX NUMBER
1-718-382-8596

SATISFACTION, LOW PRICES AND EXCELLENT SERVICE GUARANTEED!

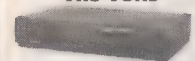
**NO SURCHARGE
ON CREDIT CARDS!**

SONY CAMCORDERS



CCD-TR300 1009.99 CCD-FX710 784.99
CCD-TR200 749.99 CCD-FX620 709.99
CCD-TR101 999.99 CCD-FX520 639.99
CCD-TR81 789.99 CCD-FX510 579.99
CCD-TR71 589.99 CCD-FX420 569.99
CCD-TR61 669.99 CCD-FX410 529.99
CCD-TR31 564.99 CCD-FX310 519.99
CCD-TR9 519.99 CCD-VX3 3049.99

SONY VHS VCRs



SLV-400 234.99 SLV-700HF 339.99
SLV-595HF 329.99 SLV-750HF 389.99
SLV-696HF 369.99 SLV-900HF 419.99
SLV-R5 799.99

8MM VCRs

EV-C40 299.99 EV-S2000 CALL
EV-A50 334.99 EV-500 769.99
EV-S550 449.99 EV-S50 739.99
EV-S3000 1209.99 EV-M20 549.99

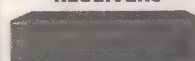
BETA VCRs

SL-S600 259.99 SL-HF2000 CALL
SL-HF360 349.99 SL-HF2100 1199.99
SL-HF8700 699.99

SONY LASER DISCS

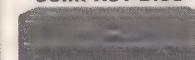
MDP-455 349.99 MDP-605 539.99
MDP-K5 KARAOKE 729.99

SONY RECEIVERS



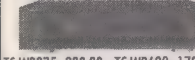
STRD2090 609.99 STR-D990 279.99
STR-D1090 389.99 STR-D911 CALL
STR-D1011 CALL STR-D790 239.99
STR-D590 159.99

SONY COMPACT DISC



CDP-C335 164.99 CDP-C635 239.99
CDP-C435 189.99 CDP-C735 269.99
CDP-C535 204.99 CDP-C910 279.99
MZ-1 Mini Disk Portable Recorder 579.99
RME-300 479.99 RME-700 629.99

SONY CASSETTE DECKS



TC-WR875 289.99 TC-WR690 179.99
TC-WR790 234.99 TC-WR590 139.99

SONY MINI COMPONENT SYSTEM



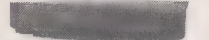
MHC-1200 369.99 MHC-2750 559.99
MHC-1750 429.99 MHC-3750 699.99

Panasonic CAMCORDERS



PV-22 589.99 PV-1Q403 599.99
PV-32 719.99 PV-1Q503 669.99
PV-42 739.99 PV-332 599.99
PV-43 819.99 PV-362 669.99
PV-52 749.99 PV-5372 899.99
PV-53 899.99 PV-704 489.99
PV-562 989.99 PV-710 569.99
PV-563 1059.99 PV-760 819.99
PV-1Q203 549.99 PV-800 579.99
PV-1Q303 569.99 PV-810 589.99
PV-5770 969.99

Panasonic VHS VCRs



PV-2301 169.99 PV-4314 229.99
PV-4210 199.99 PV-4351 259.99
PV-4250 259.99 PV-4361 309.99
PV-4260 279.99 PV-54266 374.99
PV-4262 299.99 PV-54270 389.99
PV-4264 369.99 PV-54280 559.99
PV-4301 199.99 PV-54366 414.99
PV-4311 209.99 PV-54380 CALL

Panasonic PRO VCRs

AG-1270 244.99 AG-1970 1099.99
AG-1740 289.99 AG-5700 1149.99
AG-W1 1439.99

Panasonic PRO CAMCORDERS

AG-450 CALL! AG-460 2289.99
AG-455 1449.99 AG-3 2319.99

Panasonic PRO ACCESSORIES

WJ-AVES 1149.99 WJ-MX30 2479.99
WJ-AVE3 329.99 WJ-MX12 1519.99
WJ-TTL5 204.99 AG-A96 279.99
WJ-MX50 374.99 CT-1383Y 229.99

PIONEER



PIONEER LASER DISCS

CLD-D702 719.99 CLD-S201 299.99
CLD-D502 449.99 CLD-3090 679.99
CLD-M401 439.99 CLD-2090 509.99
CLD-M301 369.99 CLD-M90 469.99
KARAOKE CLD-V510 429.99
KARAOKE CLD-V710 529.99
KARAOKE CLD-V720 519.99
KARAOKE CLD-V820 599.99

WE CARRY PIONEER MICROPHONES!

PIONEER COMPACT DISC

PD-TM3 299.99 PD-M802 219.99
PD-TM2 294.99 PD-M702 179.99
PD-DH902 259.99 PD-M552 159.99
PD-M901 249.99 PD-M502 154.99

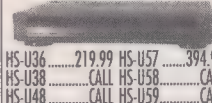
PIONEER RECEIVERS

VSK-D15 769.99 VSK-S02 299.99
VSK-D902S 689.99 VSK-452 229.99
VSK-D702S 499.99 VSK-402 199.99
VSK-D602S 439.99 SK-312R 169.99
VSK-S12S 329.99 SK-251R 149.99
SK-201 129.99

PIONEER CASSETTE DECKS

CT-WM62R 289.99 CT-W502R 159.99
CT-W802R 239.99 CT-W402R 149.99
CT-W602R 199.99 CT-W302R 134.99

MITSUBISHI VCR'S



HS-U36 219.99 HS-U57 394.99
HS-U38 CALL HS-U58 CALL
HS-U48 CALL HS-U59 CALL
HS-U56 324.99 HS-U65 569.99
HS-U56P 369.99 HS-U69 CALL
HS-U82 1079.99

RICOH

8MM CAMCORDERS



R87H...CALL R-18H...CALL R-16...CALL

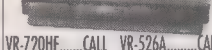
RCA

CAMCORDERS



PRO 930...CALL CC-540...CALL
PRO 883...CALL CC-412...CALL
PRO 840...CALL CC-190...CALL
PRO 830...CALL CC-188...CALL
PRO 808...CALL CC-178...CALL
CC-174

RCA VCR'S



VR-720HF...CALL VR-526A...CALL
VR-667HF...CALL VR-506A...CALL
VR-684HF...CALL VR-501...CALL
VR-658HF...CALL VR-323...CALL
VR-601HF...CALL VR-321...CALL
VR-537HF...CALL VR-319...CALL
800HF 8MM...CALL

RCA LASER DISCS

LDR-500...CALL LDR-600...CALL

HITACHI

CAMCORDERS



VM-H38A
IMAGE STABILIZATION, 470,000
PIXELS, 2 LUX, 16:1 ZOOM
8MM

VM-H39A...CALL
VM-E53A...CALL
VM-E55A...CALL

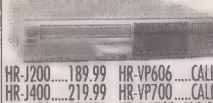
HITACHI VCRs



VT-M260A...CALL VT-F362A...CALL
VT-M262A...CALL VT-F462A...CALL
VT-F361A...CALL VT-F551A...CALL

NIKON, FUJI, YASHICA
CAMCORDERS
ALL AVAILABLE!

JVC VCR'S



HR-1200 189.99 HR-VP606...CALL!
HR-1400 219.99 HR-VP700...CALL!
HR-1600 299.99 HR-S 4700 419.99
HR-VP404...CALL! HR-S 4900...CALL!
HR-VP604...CALL! HR-S 6800 559.99
HR-S 6900...CALL!

CAMCORDERS JVC



GR-AX55U 659.99 GR-M3U 499.99
GR-AX33U 549.99 GR-M5U 549.99
GR-AX35U 599.99 GR-M7U Pro 699.99
GR-AX25U...CALL! GR-M50U 619.99
GR-AX10U 554.99 GR-SX90 779.99
GR-AX5 489.99 GR-SZ1 1239.99
GR-AW1 Water Resistant 879.99

JVC RECEIVERS



RX-1050V 1839.99 RX-709V 274.99
RX-905V 124.99 RX-509V 209.99
RX-809V 344.99 RX-309V 139.99

JVC CD PLAYERS



XL-Z1050TN 439.99 XL-M509TN 224.99
XL-Z451TN 124.99 XL-M409TN 179.99
XL-Z261TN 119.99 XL-F106BK...CALL!
XL-V161TN 109.99 XL-F206BK...CALL!

JVC CASSETTE DECKS

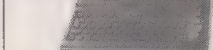


TD-V1050TN 369.99 TD-W309TN 149.99
TD-V661TN...CALL! TD-W209TN 119.99
TD-W709TN...CALL! TD-R441TN...CALL!

JVC PROFESSIONAL

BR-S378U S-VHS...CALL
BR-3200U VCR...CALL
TM-900SU COLOR MONITOR...CALL
TM-130U COLOR MONITOR...CALL

VIDEO PERIPHERALS JVC



JX-T66 Character Generator 144.99
JX-T88 Character Generator 259.99
JX-SV55 Video Editing Processor 334.99
JX-S300 AV Selector 189.99
JX-S900 Remote Control
AV/S-VHS Switcher 444.99

LENMAR NOMEN BATTERIES IN STOCK

AZDEN & NADY MICROPHONES

WE CARRY A FULL LINE
LOW, LOW PRICES...CALL

AUDIO

WE CARRY
YAMAHA, NAKAMICHI, DENON,
ONKYO, HARMAN KARDON,
SHERWOOD, ELITE, CARVER,
KENWOOD,

RCA, SONY, Technics, JVC

PIONEER & MUCH MORE!

SPEAKERS

BOSE, ADVENT, JBL, VENTURI,
ACOUSTIC RESEARCH, DESIGN
ACOUSTICS, CANTON, PIONEER

SHARP

CAMCORDERS



VL-L62U 529.99 VL-HX10U...CALL
VL-L63U...CALL VL-HL100U 1439.99
VL-L72U 619.99 VL-NTU 559.99

Canon

CAMCORDERS



L-1 1799.99 UC-20 624.99
A-1 Digital 1099.99 E-65 499.99
H-850 649.99 E-67 619.99
UC-1 589.99 E-210 484.99
UC-S1...CALL E-230 499.99
UC-S2 759.99 E-250 574.99
UC-S3 1084.99 E-350...CALL
E-520...CALL

MINOLTA

CAMCORDERS



8-918 1379.99 8-808 699.99
8-848 899.99 8-438 549.99
8-428 509.99

SUNPAK



NEW CZ-200 AUTO 54.99
NEW CZ-200.44.99 CV-300 Auto 79.99
CV-300 49.99 CV-205 Auto...CALL!
CV-205...CALL!

GO VIDEO

GV-3050X 4 Head/Hi-Fi 699.99

VIDEONICS



TITLE MAKER 339.99
Direct Ed Plus 359.99
Thumbs Up/Video Editor 159.99
Edit Maker 459.99
Video Equalizer 209.99
Processor Plus 109.99
Sound Effects Mixer 114.99
FOR DIRECT ED PLUS
Pro Ed Upgrade 554.99
Graphics Libraries 37.99

sim

ED/n 2 64.99 FX ED/n 5 339.99
ED/n 3 129.99 Booster Box 19.99
FX ED/n 4 179.99 Screenwriter 127.99
AND MUCH, MUCH MORE!

CITIZEN

3" COLOR MONITOR M-329 \$119.99



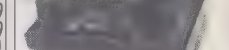
M-938 3.8" COLOR MONITOR 189.99
NEW MARK II...CALL
CITIZEN AC Adaptor 19.99
CITIZEN Car Adaptor 29.99
CITIZEN TV Tuner 59.99
CITIZEN M-329 Monitor PAL 119.99

SPECIAL CLOSEOUTS

SAKAR 3X SUPER
TELE CONVERTER
HI RESOLUTION, SHARP OPTICS
FITS MOST CAMCORDERS

REGULAR \$199.99 **\$99.99**

VCR PLUS 24.99 VIDEO REWINDER



VHS 14.99
8MM 24.99
BETA 19.99

TELEPHOTO & WIDE ANGLE LENS SET

FOR ANY CAMRECORDER
SHARP OPTICS
HI RESOLUTION

REGULAR \$119.99 **\$59.99**

WITH A CAMRECORDER PURCHASE

WE CARRY BATTERIES & CAR CORDS FOR ALL CAMCORDERS!!!

SATISFACTION GUARANTEED

WITHIN 7 DAYS OR
MONEY BACK!

ALL CAMCORDERS
COMPLETE AND FACTORY
PACKED WITH BATTERY,
CHARGER, ADAPTOR,
CORDS, ETC.

COMPANY POLICY These are phone and mail order prices only. Prices are not valid in the retail showroom. If you wish to drive to the store, please call ahead to check in store availability and get the name of the salesperson you spoke to. To order use Mastercard, American Express, Diners Club, Visa, Canon, Discover, Carte Blanche, COD orders welcomed or mail in money order or certified check. For personal checks, please allow at least 4 weeks from the date we deposit your check. Call toll-free for shipping & handling charges. All merchandise is brand new. Exchange or refund less shipping & less 5% restocking fee within 7 days only if returned in original mint condition with carton, packing, papers and unopened warranty cards. NO EXCEPTIONS. Quantities limited. We reserve the right to limit quantities. Not responsible for typographical errors. **PRICES ARE VALID UNTIL END OF MONTHLY ISSUE.** Some items do not carry USA Warranty. USA Warranted items are usually additional in cost.

PROTECT YOUR INVESTMENTS FOR LESS THAN \$3.00 PER MONTH FOR USA & CANADA

TRI STATE

650 6th Ave. (cor. 20th St.) NY, NY 10011

NEED HELP DECIDING? CALL (212) 633-2290 FOR EXPERT ASSISTANCE WITHOUT OBLIGATION



WE SHIP WORLDWIDE
OPEN MON. THRU THURS. 9-6, FRI. 9-2:30, SUNDAY 10-4
FREE SUNDAY PARKING

Video
Electronics
Darkroom
Computer
Camera

CAMERAS & ELECTRONIC
800-221-1926

VIDEO
800-537-4441

SATISFACTION GUARANTEED • PROMPT DELIVERY
FOR INFORMATION CALL 212-633-2290 FAX 212-633-7718

C.O.D. DISCOVER VISA MASTERCARD

PANASONIC PV-43



- 20:1 Zoom • VHS-C
- 1 Lux
- Color Digital
- Fades
- Wireless Remote

\$859.95
Pan. PVS-63 SVHS-C.....NEW
Panasonic PV-800.....\$599.95
Panasonic PV-810.....\$299.95
Panasonic PV-1020.....\$599.95
Panasonic PV-1030.....\$299.95
Panasonic PV-1040.....\$299.95
Panasonic PV-1050.....\$299.95
Panasonic PVS 372.....\$699.95

The Ultimate in Camcorder Systems

STEADYCAM JR.



Authorized Dealer
\$378.95
Steadycam Case \$59.95

FUTURE VIDEO

EC 1000 Pro Editor.....\$489.00
EC 1000 Pro Plus.....\$569.00
EC 1000 MKII.....CALL
EC 1000 Pro TC.....\$1029.00
EDL 1000 Software Program.....\$258.00
EC 1000 TC Edit Control.....\$1599.00
TCG 20 Time Code Gen.....\$249.00
Horita TG 50.....\$299.95

RCA PRO 865



SALE
PRICES AS LOW AS
\$499.95

RCA Pro 807.....CALL
RCA Pro 865.....Blowout
RCA Pro 867.....CALL
RCA Pro 870.....CALL
RCA CC187.....CALL
RCA CC507.....CALL

VIDEONICS

Video EditMaker
SVHS/Hi 8 Editor

\$459.95

This new model is the next generation video editor on the popular Direct ED PLUS. Includes all the great features as before including automatic editing, built-in character generator and internal graphics, special effects, fades and wipes, PLUS SVHS/Hi 8 compatibility, increased memory (to take advantage of all available software), and the scrolling bonus features include hard wire (5 min. in LANC) or IR control of playback unit for much faster operation. This is the same American made unit that Videonics supplies to Panasonic Japan Super Production Assistant.....\$8.95
Thumbs Up.....\$59.95
Sound Effects Mixer - Boing Box.....\$119.95
Videonics Titmaker.....\$32.95
Equalizer (Digital Video Processor).....\$14.95

The New raynox

Make videos from your slides, photos or 8 1/16mm movie film— Lets you add sound to brighten up the show.

VIDEO TRANSFER
RV-1500

\$49.95

CANON-L1

AUTHORIZED DEALER



IN STOCK

TAKE THE TRISTATE CHALLENGE:
WE WILL BEAT ANY DEALER'S PRICE & WE ACCEPT CASH CREDIT CARDS!

Canon E-350/E-520.....CALL
Canon UC-1 Color/UC-20.....NEW
Canon E-210/E-65.....CALL
Canon E-250 12:1 Zoom.....CALL
Canon UCS-3.....IN STOCK
Canon A-1 Digital.....CALL

Nikon

We take the world's greatest pictures.

Nikon VN-720

Hi-8 Stereo Camcorder



NEW with new dockable cradle for easy playback or any TV! w/ free 5 yr. warranty

Authorized Dealer

8x1 Zoom • Ricoh Optics
Super Quick Zoom • Hi-Fi Stereo • 3 Mode Program AE • 10 Bit Digital Camera • New Converter System • Hi8

Authorized Dealer

"True Value at Lowest Price" CALL TODAY

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

Authorized Dealer

SONY TR-200



ONLY \$799.95
Sony's "Handycam Station" converts a camcorder to a video deck/battery charger combo featuring a lithium ion battery

Sony COD-VX3.....\$309.95
Sony TR-101.....\$169.95
Sony TR-81.....\$799.95
Sony TR-61.....\$699.95
Sony CODFX-710.....\$864.95
Sony CODFX-420.....\$599.95
Sony CODFX-220.....\$649.95
Sony CODFX-620.....\$729.95

FUJI 8MM

AUTHORIZED DEALER

NEW 1225W Colorview

12x Zoom • 1.5 LUX

CALL

120SW

8mm Mini CALL

NEW

P-401 LDC.....CALL

P-701 Pro.....CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

JVC GR-SZ1



- SVHS • HiFi
- 22x Digital Zoom
- 410,000 Pixels
- Multifunction Lens
- Image Stabilization
- Color Viewfinder

\$1324.95

JVC GRAX-33.....\$649.95
JVC GRAX-10.....\$614.95
JVC GRM-3.....\$539.95
JVC GRM-5.....\$619.95
JVC GR-M7 Pro.....\$769.95

YASHICA

BONUS PACKAGE

KX V1U

8x1 Zoom

Yashica Optics • Lithium Batt.

Super Quick Zoom • Hi-Fi Stereo

3 Mode Program AE • 10 Bit Digital

Camera • New Converter System

Hi8 • Yashica Authorized Dealer

INCLUDES FREE • 2ND BATT.

• 3 YR. WTY. • MAINTENANCE KIT

• 5 HI-8MM TAPES • CASE

KX-35U.....NEW

(10X • 8mm • HiFi Stereo • 1 Lux)

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

PANASONIC



PRO EDIT SYSTEM INCLUDES
• AG455 • AG1970 • AG A96
• Hard Carry Case • Pro Tripod

\$2995.95

Panasonic AG-3

3 CCD S-VHS-C

IN STOCK

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

47st. Photo[®]

For Visa, Mastercard and Discover phone orders.

Call Our Video Hotline Toll Free**Out-of-State or Upstate N.Y.**

EST Daily 8-7, Sun.10-5, Fri. 8-2 (closed Sat.)

1-800-221-3513

COUPON SAVINGS VMG 993/5
FREE Shipping & Handling
 IN THE CONTINENTAL USA
 PLEASE REFER TO COUPON #VMG93/G WHEN ORDERING

In NY & for General Info—or If Toll-Free lines are busy EST Daily 9-6, Sun.10-5, Fri. 9-2 (Closed Sat.)

1-718-722-3513

Dear Customer,

47st. Photo is **THE SOURCE** for Camcorders, VCRs, TVs, Video Editing and Multimedia equipment available for NTSC, PAL & SECAM. At 47st. Photo we continually strive to make your shopping experience with us simpler and more pleasant. We are here to listen to you.

I invite you to fax me directly at 718-625-2603 with your comments and suggestions

Sincerely

Irving Goldstein

President; 47st. Photo

COUPON SAVINGS VMG 993/1
FREE 3-Year Extended Warranty

A \$99 Value w/Purchase of any VCR or Editing System

PLEASE REFER TO COUPON #VMG993/1 WHEN ORDERING

COUPON SAVINGS VMG 993/2
FREE 5-Year Extended Warranty

A \$199 Value w/Purchase of any Camcorder or TV

PLEASE REFER TO COUPON #VMG993/2 WHEN ORDERING

Panasonic

From our Pro' Video Dept

New! AG-3

Super VHS-C camcorder with 3-CCDs for 530 lines horizontal resolution. 10x zoom with 20x digital zoom, Image Stabilization, 1-Lux low light, Time Base Corrector, Digital Effects

PV-IQ403

VHS-C compact camcorder with 10x Zoom, Color Viewfinder & remote

PV-43

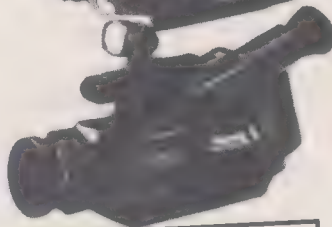
VHS-C compact camcorder with 20x Digital zoom & Digital image stabilizer

PV-S372

Super VHS-C camcorder with 10x zoom, HiFi stereo sound & time base corrector



3-CCDs
 For Broadcast
 Quality Video



Canon

New! UCS5

Pocket Hi8 Camcorder with Optical Image Stabilization, 12x zoom lens & Digital 24x Zoom plus wireless remote

L1

Professional Hi8 Camcorder with VL-mount interchangeable lenses

A1 Digital

Hi8 Camcorder with 20x Digital zoom & 1/2 Lux Low Light



Professional Multi-Function Super-VHS Editing System

- AG-1970
- AG-1970
- AG-A96



Make your next video production soar to new heights! This professional S-VHS editing system features two AG-1970 S-VHS editing VCRs plus the AG-A96 editing controller. Together they let you produce insert & assemble edits plus audio dubbing & much more!

SONY

CCD-TR31

8mm Compact Handycam with 10x zoom and wireless remote

CCD-TR71

8mm Compact Handycam with 10x zoom, wireless remote and HiFi stereo sound

CCD-FX510

8mm Compact Handycam with 10x zoom wireless remote & 1-Lux low light



For even quicker processing, FAX your order or inquiry to us at 1-718-722-3510/3511



SUNSHINE VIDEO & COMPUTERS

FLORIDA'S LARGEST AUTHORIZED DEALER FOR CAMCORDERS

Sunshine Video & Computers have been serving South Florida for 15 years. We respect our customers. If you are serious about buying a camcorder we will give you the best legitimate deal. If you think you have a better deal TELL US.

SONY **CALL**

FX 520
10X Zoom
Stereo HiFi
Digital Titler
High Shutter



FX410/FX420 **AUTHORIZED DEALER**

SONY **CALL**

TR-101
10X Zoom
Hi 8
TBC/EIS
Wireless Remote



T200 / TR61 **AUTHORIZED DEALER**

SONY **CALL**


FX 710
10X Zoom
10,000 Shutter
Hi 8 HiFi Stereo
Wireless Remote



FX620 / TR300 **AUTHORIZED DEALER**

CANON **CALL**

UCS3
12X Zoom
Hi-Fi Stereo
LCD Program
Digital Signal
Processing



A1D / L1 **AUTHORIZED DEALER**

CANON **CALL**


UC1 COLOR
8X Zoom
1/10,000 Shutter
2 Lux Digital Titler
Color LCD Viewfinder



UCS2 / UC20 **AUTHORIZED DEALER**

CANON **CALL**

E250
12X Zoom
2 Lux/Titler
High Shutter
Digital Color




E65 / E520 **AUTHORIZED DEALER**

Before you tell us some companies have **BETTER PRICES**, realize that some companies will not sell you the camera they advertise. They have low prices, but have no intention to deliver the advertised camera. They will tell you they have the camera you want, then take your credit card number. In the middle of the sale, they will verbally switch you to an inferior camera for more money. If you don't switch, they still won't sell you the camera you originally wanted.

CALL SUNSHINE IF YOU WANT A LEGITIMATE DEAL -- NO GAMES!!!!

PANASONIC **CALL**

PV43
20X Zoom
EIS System
1 Lux
Wireless Remote



PVIA203 **AUTHORIZED DEALER**

PANASONIC **CALL**

PV-S63
20X Zoom
VHSC-S/EIS
Hi-Fi Stereo
w/Video Light



PVIQ403 / PVIQ303 **AUTHORIZED DEALER**

RICOH **CALL**

R18-H
Ricoh Optics
10X Zoom
EIS
Wireless Remote



R87-H / R16 **AUTHORIZED DEALER**

PANASONIC **CALL**


PVIQ503
20X Zoom
EIS System
1 Lux
Wireless Remote
Color View Finder



AUTHORIZED DEALER

HITACHI **CALL**

VMH-39A
64X Zoom
Digital EIS
Color Viewfinder
1/2,500 Shutter



VME-55A/VME-53A **AUTHORIZED DEALER**

FUJIX **CALL**

F-122SW
12X Zoom
Pistol Grip
2 Lux/Titler
Color View Finder



F-120SW / H-128SW **AUTHORIZED DEALER**

1-800-828-2992

For Information or customer service call (407) 394-3742

ALL MERCHANDISE HAS FULL U.S. WARRANTY IN FACTORY SEALED BOXES
ALL MERCHANDISE INCLUDES ALL MANUFACTURERS SUPPLIED ACCESSORIES
WE PLAY NO GAMES!!!! GOOD SERVICE IS OUR BEST ADVERTISEMENT!!!!

7 day return with prior authorization. All returns subject to a restocking fee. All prices good for month of issue. Not responsible for typographical errors.

22191 POWERLINE RD. SUITE 14A, BOCA RATON, FL 33433

Circle 57 on Reader Service Card.



VIDEO CLASSIFIEDS

To place an advertisement in VIDEO Magazine's Classifieds:

REQUIREMENTS:

Payment must accompany advertisement. We accept checks, money orders and Mastercard/Visa. NOTE: ADVERTISERS USING A P.O. BOX NUMBER MUST INCLUDE PERMANENT STREET ADDRESS, TELEPHONE NUMBER AND CONTACT PERSON'S NAME FOR VIDEO MAGAZINE'S RECORDS. ADVERTISEMENTS RECEIVED WITHOUT THIS INFORMATION WILL NOT BE ACCEPTED.

All advertisements are subject to Publisher's approval. VIDEO Magazine is not responsible for typographical errors. No "regular" advertisements will be allowed for the exchange, rental, trade, or sale of videotapes due to the potential problem of copyright infringement. No advertisement will be accepted which offer for sale products or services that have been illegal because they infringe on copyright protection or other forms of property ownership.

WORD ADVERTISEMENT:

Per Word: \$6.00 (15 word minimum)

All words regardless of length, abbreviation, symbol or numeral will be counted as one word. P.O. Box numbers/Street address are counted as two words; City/State/Zip Code are counted as two words.

ACCESSORIES

VIDEO ANYWHERE WATER RESISTANT 8MM/VHS CAMCORDER CASE. Inexpensive, easy to build. Tested on Water Skis, Fresh Water, Fish and White Water rafting. Order your complete plans for \$6.95 from ... REFLECTIONS PHOTOGRAPHY, P.O. 21134, ALBUQUERQUE, N.M. 87154.

AMAZING TOOLS CONVERT STANDARD CASSETTE. Tool for SVHS and Hi-8, \$19.95. New/SVHS-C TOOL - \$19.95. \$2.00 S&H each. SUPERVID, 3382 Border Drive, Stone Mountain, GA 30087

AMATEUR

19 NEW RELEASES. Candid European nudist videos. Contests, skinnydipping. Catalog \$3. Nat-Fam(VV), Box 838, Venice CA 90294

FOREIGN & AMATEUR ADULT VIDEOS! Pure Fantasy and More! Kinkiest themes. Catalog \$3 PFM Box 2365(v) Loop Station, MPLS., MN 55402

CUTIES AT THE BEACH. Youthful play. 2-hrs \$29. \$2 Catalog. JD Video, 4001 S. Decatur #410, Las Vegas, NV 89103.

GIRLS IN LINGERIE AND LESS! Infopak \$5. Video \$19.95. Visa/MC. HOTT, 129 East Colorado Blvd., #120-V, Monrovia, CA 91016

Raised Skirt Videos! Sexy Amateur College Cods! Catalog \$1.00 PROCORV, P.O. Box 649 Bowie, MD 20718-0649

AUDIO/VIDEO EQUIPMENT

For all your AUDIO/VIDEO needs Call 1-800-550-1818 and Fax 1-414-233-9088. Professional/Consumer Products, HI-TECH VIDEO & AUDIO

BETAPHILE

BETA TAPES AND ACCESSORIES - Blank Tapes. Rewinders. Head Cleaners, Storage Cases, ETC. ABSOLUTE BETA VIDEOS, P.O. BOX 130, REMINGTON, VA 22734

BLANK TAPES

BLANK COMMERCIAL GRADE TAPE T-5 TO T-30 \$1.25 EA. FOR LONGER LENGTH CALL (215) 434-4653 OR WRITE TO VHS TAPE WAREHOUSE 1013 SO. FOUNTAIN ST., ALLENTOWN, PA 18103. WE SHIP US, COD.

DISPLAY ADVERTISEMENT:

Per Inch:

1X 6X 12X

\$535 \$514 \$462

Camera ready art required and pre-payment.

Please mail all advertising copy to:
VIDEO MAGAZINE CLASSIFIEDS

460 West 34th Street

New York, NY 10001

(212) 947-6500, FAX (212) 947-6727



ISSUE	RESERVE	MAT.
October 1993	8/5/93	8/12/93
November 1993	9/2/93	9/9/93
December 1993	9/30/93	10/7/93
January 1994	11/4/93	11/11/93

WOW PROFESSIONAL STOCK T-10 1.83, T-30 1.97, T-60 2.26, T-120 2.54, ALL SIZES AVAILABLE 1-708-893-1979.

BOOKS & PUBLICATIONS

DENMARK, HOLLAND-new releases. Nudism lifestyle: family recreation. Videos, magazines. Infopak \$3. Lifestyles-V, Box 661268, Los Angeles CA 90066

"XXX Amateur Videos, Magazines, Books, Lingerie, Contacts, Trades." Catalog \$2. RBG, 6475 28th Street SE, Suite 165-V, Grand Rapids, MI 49546

BUSINESS OPPORTUNITIES

"VIDEO STORE SECRETS." How To Open Videotape Rental Store With No Money. Complete Details \$5.00: Layton Books, P.O. Box 934-V, South Boston, VA 24592.

\$12,000 A MONTH. HOME BASED BUSINESS. CALL AND WILL MAIL FREE. 1-402-331-4631

CABLE

PREVENT DESCRAMBLER DAMAGE - DON'T BITE THE BULLET!!! Snooper Stopper Data Pulse Blocker \$34.95 - Data Blocker with Dual Surge Protection \$54.95 - Wireless Video Sender \$54.95 - Remote Control A/B Switch \$39.95 - Video Connections, Inc. 1-800-925-9426.

DIGITAL VIDEO STABILIZER Removes all video tape copy protection, caused by copy guard, on pre-recorded tapes \$54.95 - Video Connections, Inc. 1-800-925-9426.

CABLE BOXES - We carry all brands. Giant Inventory direct from factory. Must liquidate our overstocked warehouse. Best equipment best guarantee, below wholesale pricing. THIS GIVES US THE ADVANTAGE. 1-800-237-4951

CABLE TV CONVERTERS, Jerrold, Oak, Scientific Atlanta, Zenith and many others. New MTS stereo add-on: Mute and volume ideal for 400 and 450 owners! VISA/MC/AmEx 1-800-826-7623. **B&B INC. 3584 Kennebec, Eagan, MN 55122.**

CABLE STEALTH: protect yourself from descrambler detection and stop the "bullet". \$19.99 plus \$4.00 S+H **BALDWIN ELECTRONICS**, BOX 9291, Balto., MD 21222

SECRET CABLE DESCRAMBLERS! Build your own Descrambler for LESS than \$12.00 in SEVEN EASY STEPS! RADIO SHACK Parts List and FREE Descrambling Methods that COST NOTHING To Try. Included. Send \$10.00 to: Information Factory, Dept. 7, P.O. Box 1790, Baytown, TX 77522.

CABLE T.V. CONVERTERS JERROLD®, ZENITH, PIONEER, OAK, Scientific Atlanta, and many more. 12 years experience gives us the **ADVANTAGE** VISA/MC AMEX COD. **ADVANTAGE ELECTRONICS, INC. 1-800-952-3916** 1125 Riverwood Dr., Burnsville, MN 55337.

THE TELEVISION GRAY MARKET "The new bible" of piracy of programming from satellite, cable, and videotape. 160 + page best selling book covers "cable boxes", "test chips", latest Videocipher decryption, legal issues and risks, industry counter measures, costs, techniques, sources, and much more. \$23.75. **free** shipping. MC, VC, AE, 800-546-6707.

ORIGINAL CABLE EQUIPMENT ONLY. DON'T SETTLE FOR ADD-ONS. GET THE BEST: JERROLD, ZENITH, SCIENTIFIC ATLANTA, OAKS, LOWEST PRICES FROM \$99. 1-602-238-4772 (DEALERS WELCOME)

CATALOGS

TV GUIDES, 1953-1993. Every issue available. Catalog \$3.00. TV Specialists, Box 20-V, Macomb, IL 61455.

TV GUIDES 1950-1993. CATALOGUE \$2.50. TV AND MOVIE MAGAZINES, PHOTOS, MACGYVER, PLAYBOYS, CATALOGUE \$3.00. ROGOFOSKY, BOX 107-VM, GLEN OAKS, N.Y. 11004

DUPLICATION

Transfer OLD 8MM film to Videotape + Foreign Conversions. Send SASE for FREE Information - Memories 8122 Glades Rd., Boca Raton, FL 33434 (407) 451-0056

EDUCATION/INSTRUCTIONS

DON'T GET RIPPED OFF ANYMORE! OUR VIDEO SHOWS HOW MANY VCR SHOPS ARE CHEATING THE AMERICAN PUBLIC, SEND \$27.50 TO BERGER ENTERPRISES ROUTE-6, BOX 209T, MURPHY N.C. 28906.

TERMPAPER ASSISTANCE. 19,278 papers available! 306-page catalog--rush \$2.00. Research, 11322 Idaho, #206VT, Los Angeles 90025. Toll-Free Hotline: 800-351-0222 (California: 310-477-8226)

VIDEO CLASSIFIEDS

FILMS/MOVIES

RARE TV SHOWS! Programs from the 1940s through last night unavailable elsewhere! Call "The TV Connection" (818) 709-8813 anytime.

1,000,000 VIDEOMOVIES / SOUNDTRACK LPS! Video Catalogue---\$1.00. Descriptive Catalogue---\$9.95. Soundtracks---\$1.00. RTS/VE79, Box 93897, Las Vegas, Nevada 89193

MILITARY AND POLITICAL HISTORY ON VIDEOCASSETTE. Send \$2.00 for catalog to International Historic Films, Inc. Box 29035 Dept. V Chicago, IL 60629

TAHITIAN DANCING GIRLS performing forbidden "TAMURE" Video \$50.00. Brazil Video, P.O. Box 8572, La Jolla, CA 92038

California Nude Beaches. 1-20: Maslin Beach, Australia's largest Nude Beach 1-2; Nudist Beauty Contest 1-15; 2 Hrs. \$35 ea. or 3 for \$75; Catalog \$1.00 T&A 904 Silver Spur Rd., Ste 414-VM, Rolling Hills Estate, CA 90274-3802.

AMATURE VIDEOS! SEND \$3 FOR LIST. WILL BE REFUNDED WITH FIRST ORDER. WCECO, BOX 9803 F.V. CA 92728-9803

NUDIST AEROBICS, BALLET, GYMNASTICS, PARTIES. Family naturist activities. Special \$60 Previews tape. Catalog \$3. Natuurlijk, Box 5278V1, Santa Monica, CA 90409

BRITISH T.V. & FILM. 400 PAGE 6000 TITLE CATALOG \$9.00 REFUNDABLE. LAUGHING HOUSE P.O. BOX 8572. ANAHEIM, CALIFORNIA 92812-0572.

Sexy Babes! Explicit Nudes! Ponderosa 1992 (2 Hrs.): VHS \$30; S-VHS/Hi-8 \$50; Info \$1.00. State Age. MML PO Box 10826 Merrillville, IN 46411.

JOIN US FOR A HAPPY NOOD YEAR!! Noodist Videos & Magazines for the entire family. Highest quality from \$29.95. Send \$3.00 for color brochure. BB Enterprises 2762-A W. Broadway Los Angeles, CA 90041.

FOR SALE

REPLICA SWISS WATCHES Best warranty, prices, quality, service, guarantees. Great Birthday gift. Holiday specials. (404) 682-0609

HOME ENTERTAINMENT FURNITURE

SAVE 40% On The Fabulous BUSH Home Entertainment Furniture and Stands. Computer and Office Furniture Also Available. Call or Write For FREE CATALOG AND PRICE LIST. Friendly service, Fast Shipment. DIRECT ELECTRONICS. 1440 B N. State Road 7, Margate, FL 33063. 1-800-566-4580.

HOME THEATER

Still Haven't Found What I'm Looking For. So I Made My New Style ART SEXVIDEO VHS - \$21.00 Each. REGINA, Suite 1014, 1 East Post Road, White Plains, N.Y. 10601.

HOW TOS

VCR REPAIR VIDEO, FIX MOST PROBLEMS IN MINUTES SEND 29.95 2222 E CAMPBELL 30 PHX AZ 85016

INDEPENDENT PRODUCTIONS

THINK YOU'VE SEEN EVERYTHING?! I thought so too. We're both wrong. Talk about some strange girls! Guaranteed awesome, but inexpensive. Brochure. \$2.00 Dark Mountain Video, 607 Corona Street, Suite 294, Denver, CO 80218.

FREE CATALOG. Amateur Adult Videos 1-800-444-8336 Must be 21 Video Alternatives, 526 Wharf Street, Lake Saint Louis, MO 63367

VIDEO CLASSIFIEDS

--PBTM-- PROFESSIONAL BROADCAST ROYALTY FREE MUSIC! 24 Hour Demo & Info Line: 503-345-0212. MC/VISA Orders. Free Catalog.

COMMERCIAL XXX VIDEOS AS LOW AS \$8.00! FROM ARROW TO ZANE. ALSO OUR OWN LINE OF AMATEUR XXX VIDEOS. SEND \$5.00 FOR INFO TO: S.V.E. POB 797, MACOMB, IL 61455

BLUE VANITIES: CLASSIC VINTAGE STAG-FILMS. 30's to 60's arcade nudes & strippers, softcore & teasers. **COLLECTOR'S ITEMS,** all on video VHS/Beta. Large Selection - Catalog \$3.00 **ADULT FILM TO TAPE TRANSFERING.** Regular, Super 8 & 16mm - Lowest prices available. **Also foreign conversions** (All Countries). FILMFARE VIDEO LABS, Inc. Dept. A401 NE Ravenna Blvd., STE. 156 Seattle, WA 98115.

NAKED EUROPEAN YOUNG BEAUTIES VIDEOS! Great Close-Ups! Satisfaction Guaranteed. 1 hr. Tape \$40. Brochure \$10. Larry Smith 380 Bleecker Street #136, New York, N.Y. 10014.

HARD-TO-FIND, UNUSUAL, AND FOREIGN XXX VIDEOS!! You name it, we got it! Satisfaction guaranteed. 1 hr. sample tape \$40. Brochure \$5 (ref) Larry Smith, 380 Bleecker Street #136, New York, N.Y. 10014

SHOCKING XXXX AMATEUR Videos from Russia, Latin America, Asia, Persian Gulf, Europe, Scandinavia! Sample \$35.00. 37 Country Photolog \$5.00. Also Commercial Boxed American XXX Videos \$2.99 in quantity. 2 Samples \$15.00. TLC, POB 330, Deerfield Beach, FL 33443-0330.

HONDURAS, COSTA RICA, Caribbean, Philippines, Thailand Red Light Districts Guidebook, Videos. Infopak \$2.00. International, Box 1035, Deerfield Beach, FL 33443-1035

SCANDINAVIAN CUTIES! Cherry Girl XXXX Videos! Sample \$40.00. Photolog \$5.00. TLC, Box 330, Deerfield Beach, FL 33443-0330.

HOTT,SEXXXY, GO-GO-GIRLS. ONE OF A KIND VIDEO - \$19.95. C. HAMILTON, BOX 8334, TOLEDO, OHIO 43605

Topless French Beaches. Rio Carnival. Brazilian Beach Girls. Video \$50.00. Catalog \$2.00. Brazil Video. P.O. Box 8572, La Jolla, CA 92038.

HOT YOUNG PANTY TEASERS. Lollipops and lingerie. **Nonpornographic:** Intensely sexy! Broadcast quality. **FREE CATALOG!** Sample: \$20. State Age. "LEWIS", 3739 Balboa St., Box 200, San Francisco, CA 94121.

Sun-Bathing Movies European Families. Natural-unretouched magazines. VHF sampler-\$20.00pd. Photopak \$5.00. Videostar V Box 5160 Santa Monica, CA 90409, 1-310-392-0046

CALIFORNIA'S NUDE BEACHES 1993! 2 HOURS \$29.95. BROADCAST QUALITY! EXCLUSIVELY FROM PACIFIC VIDEO, 3400 IRVINE #115 NEWPORT BEACH, CA 92660. CATALOGUE 714-252-8336.

FLORIDA BABES 75 MODELS. Swimwear, Lingerie, Nudes. Custom Photos/Videos. \$5.00 Sample Brochure. MAGNUM 3615 West Waters, Suite 200, Tampa, FL 33614

NUDE BEAUTY & DANCE CONTESTS videos. Unisex. S.A.S.E. for Brochure. Preview Tape \$24.95. Classic Productions, P.O. Box 952, Metairie, LA 70004.

EXCITING, EROTIC VIDEOS, BEAUTIFUL GIRLS TEASE IN UNDERWEAR, RAISED SKIRT, PANTIES, G/BELT, STOCKINGS, PANTYHOSE & LESS! ALL REVEALED! 2 HOUR PREVIEW TAPE \$39.95. PHOTO FILLED CATALOG \$5.00. L. DOLAN-VM P.O. BOX 83, GREENLAWN, N.Y. 11803.

HOT, SEXY MODELS SHOW ALL! \$2.00 Color Video Catalog. Sandy's Modeling P.O.B. 3892 Thousand Oaks, CA 91359

DAMSELS IN DISTRESS. Custom Videos/Movies. List \$2. Sampler: \$20. IDS, P.O. Box 83, Deerfield, N.J. 08313

VIDEO CLASSIFIEDS

Videotographer interviewed over 400 amateur girls (38 selected) for 2 HOUR NUDE FIGURE MODEL VIDEO. Features studio lighting, posing, editing techniques. \$39.95 check payable to: G.D. Douglass, 3711 Parry #104, Dallas, TX 75226 FOR RUSH DELIVERY. State you're over 18.

CELEBRITIES NUDE ON VIDEO OVER 300 STARS. 25 VOLUMES 60 MINUTES EACH CATALOG \$2.00 C&D VIDEO 2550 Sandy Plains Road Suite 320/Dept. VM Box 117 Marietta, GA 30066

FANTASY GIRLS! NUDE WORKOUT VIDEO. Four stunning models bare all in erotic exercise sessions. Also **TOTALLY NUDE** dancing and wide open posing. **EXPLICIT. UNCENSORED AND HOT!** 60 minutes (VHS) - \$29.95. Photo set and catalog included with order. New Wave Video, P.O. Box 1464, Lake Oswego, Oregon 97035

California women in denim attire and totally nude. \$1 for details. Dick Muley Productions, P.O.Box 2765, Carlsbad, CA 92018

DAYTONA BIKE WEEK 93' VIDEO - RENTAL \$25. SPECIAL \$15. ONE HOUR, PROFESSIONAL QUALITY CK/MO S&J MARKETING, 10151 UNIVERSITY, ORLANDO, FL 32817

BEAUTIFUL GIRLS IN FETISH AND LINGERIE VIDEOS AS LOW AS \$9.95 EACH UNIVERSAL 2901 BEVERLY BLV. #631 L.A. 90057

THE WILDEST SEXIEST AMATEUR VIDEOS AVAILABLE! DON'T MISS OUR FAMOUS COLORADO RIVER T&A VIDEOS! #145 Memorial Weekend Wet T&A 2hr 1993 #144 Lake Havasu Wet T&A 2hr 1992 #141 California Nudists 90min 1992 #146 Sneak-A-Peak 70min 1993 \$39ea 2 or more \$25ea. 48 Video Catalog 2hr \$20 4 Videos or more Video Catalog FREE! ck/mo/visa/mc TO: GM VIDEO P.O. BOX 1339 SEDONA, AZ 86339 Charge (602) 634-1285 All Have Total Nudity!

BABES IN THAILAND. EXPLICIT ONE HOUR SEX FRENZY: \$29.00. TEN COLOR PHOTOS: \$11.00. SAMPLE PHOTO/CATALOG: \$3.00. VOYAGE, 41 SUTTER, #1309-J, SAN FRANCISCO, CA 94104

Superb Beauties Perform Raised Skirt Bra and Panty Fetish and Nude Videos! 102 tape Brochure. \$5.00 Ninety Minute 17 Model Hot Leg and Butt Video \$25.00. STONE CITY P.O. BOX 2313-VM Halsite, N.Y. 11743-0688

YOKO GOES TO THE ORIENT. I TAPE YOUNG ORIENTAL STUDENTS. PRETTY HOUSEWIVES AND HOT, EROTIC ACTION WITH MY BOY-FRIEND. PREVIEW TAPE 3 HOURS-\$45.00 VISA/MC ACCEPTED. F.E.V. 39 BOWERY, N.Y.C., N.Y. 10002 1-212-996-4054.

MESSY GIRLS HAVE MORE FUN! Beautiful girls covered in mud, food, paint, wet clothes. Dressed, lingerie, nude. Professional videos, photos, magazines; free newsletter. MESSY FUN-VM3. PO Box 181030, Austin, TX 78718-1030.

LOVELY, EXCITING, EROTIC FEMALES PERFORM FOR YOU. RAISED SKIRTS, PANTYHOSE, STRIP TEASE AND ALL NUDE! WIDE VARIETY! TWO HOUR PREVIEW TAPE, \$39.95. PHOTO-FILLED BROCHURE \$3.00. STUDIO NORTH. P.O. BOX 522 HUNTINGTON, N.Y. 11743

"EROTIC DREAMS" VIDEO NUDE GIRLS FULFILL YOUR EVERY FANTASY Send 29.95 plus 3.50 p+h to RMC PRODUCTIONS P.O. Box 185 Glendora, N.J. 08029 - Color Catalog 5.00

MARDI GRAS VIDEOS. Adults Only. Nudity. \$1.00 Color Brochure. VMG, Box 71634, New Orleans, LA 70172.

BABES OF MANILA! Asia sexiest and wildest women. XXX AMATEUR ACTION! Write L.B.F.M., Box 8110-279, Blaine, WA 98230

SLOPPY, SIPPING & SUBMERGED The Wet-Look. Messy Slapstick and Underwater Fetish Tape Series You've Been Waiting For! Mention this Ad. AQUA ENTERTAINMENT, POB 36, Hazel Park, MI 48030

Look to the Future *With Your Own*



Cable Converter & Descrambler!

1-800-228-7404

**ALL MAJOR
BRANDS**

3250 Hatch Rd.
Suite 1C
Cedar Park, TX 78613

NU-TEK ELECTRONICS FREE CATALOG!



Battling Babes! Photos, Videos, Stories, Obscure movies \$2.00 Illustrated Catalogs. Desert Productions P.O. Box 6901 Mesa, AZ 85216-6901

LASER DISCS

* 12% OFF LASERDISCS *
THE LASER IMAGE ... SINCE 1980
5000 Discs * Pioneer Equipment Dealer
PH: (303) 586-8360 * Fax: (303) 586-2728

15-20% OFF NEW LASERDISCS. BEST PRICES. ALSO BUY SELL TRADE USED TITLES VIDEOQUEST (214) 987-4744

DISC-O-RAMA - NEW/USED LD'S. Discount Prices. Trades Welcome. Free Catalog. 8 Hadco Road Suite 8C, Wilmington, Del. 19804 1-800-LASER CD, FAX 302-999-7586

LASER DISCS UP TO 60% OFF! FREE CATALOG. LASER EXCHANGE SUITE #275, 444B BROADWAY SAUGUS, MA 01906-1995. (617) 231-8010.

USED LASERDISC CLEARANCE. Rare Titles. Save Money. FREE CATALOG. VDI/C 5339 Prospect #221, San Jose, CA 95129

FREE SAMPLE -- THE LASER DISC NEWSLETTER. For Video Consumers. Call (800) 551-4914 or Write P.O. Box 420, East Rockaway, N.Y. 11518 Fax (516) 594-9307

MISCELLANEOUS

Voyeurs Catalog/Newsletter. Concealed Video Cameras/Pinhole lenses. Annual Subscription \$24. \$5 gets sample of both. Valueline Publications P.O. Box 1466-S Travis AFB, CA 94565

Pearls Of The Orient Want To Write You. Details, Color Photos FREE, LIVE VIDEOS AVAILABLE. (#1 In Service Since 1979.) PAL, Blanca, CO 81123 0200 (719) 379-3228 24hrs.

Beautiful Philippine ladies personally interviewed. Video taped and photographed. Expert guided group tours, marriage and immigration assistance. Brochure \$2.00. International Connections, Dept. CX, P.O. Box 5828, Bellington, WA 98227 (206) 734-5254

LATIN EUROPEAN AND RUSSIAN BEAUTIES Want Romance/Marriage. Free 36 Page Catalog. LatinEuro Introductions, Box 26750-VI, Ft. Lauderdale, FL 33320, 1-305-486-1373. ANYTIME.

MEET WOMEN WORLDWIDE! Free 32 page photo catalog! CHERRY BLOSSOMS, 190VM Rainbow Ridge, Kapaau, Hawaii 96755. 1(408) 980-7488.

BEAUTIFUL JAPANESE LADIES! We'll Introduce You! Photos, Descriptions, application, \$2.00: Japan, Box 20323-V, SunValley, NV 89433

TRADITIONAL ORIENTAL WIVES! Overseas correspondence -- free photos, details. Asian Experience, Box 1214C, Novato, CA 94948. (415) 897-2742.

ASIAN WOMEN DESIRE ROMANCE! Overseas, Sincere, Attractive. World's #1 Service! Free Details, Photos! **SUNSHINE INTERNATIONAL CORRESPONDENCE**, Box 5500-ZR, Kailua-Kona, HI 96745. (808) 325-7707

ATTRACTIVE JAPANESE WOMEN, other Asians seek friendship marriage! Pacific Century, 110 Pacific Ave. #208-G, San Francisco, CA 94111. 816-942-1668.

JAPANESE, ASIANS, EUROPEANS seek friendship, correspondence! All Ages! Free information: Inter-Pacific, Box 304-A, Birmingham, MI 48012.

BEAUTIFUL ORIENTAL LADIES desire romance, correspondence! Free color brochure! P.I.C. P.O. Box 461873-V, L.A., CA 90046 213-650-1994.

THAI / ASIAN WORLDWIDE ladies desire lifemates! FREE brochure: TAWL, P.O. Box 937(V) Kailua-Kona Hawaii 96745-0937. (808) 329-5559

NUDE CELEBRITY PHOTOS! Movie and television stars! Illustrated list. \$1.00. Superstar Enterprises, Box 886, Orchard Park, NY 14127.

RUSSIAN marriageable women waiting! Tours \$2395. Photographs-Information \$1. Club Russia, Box 398176(v) Miami FL 33139

FREE ADULT CATALOGS - Sex-citing paperbacks, toys, kinky magazines/videos. State age. Send 2 (\$.29) stamps: CONTINENTAL-S, P.O. BOX 278-VM, CANAL ST. STATION, NEW YORK, NY 10013

NOSTALGIA

ATTENTION OLD MOVIE FANS! Send a SASE for a Free copy of LOWS Weekly From 1928 - NOSTALGIA 8122 Glades Rd., Boca Raton FL 33434

OVERSEAS EQUIPMENT

MULTI-STANDARD TVs, VCRs, PAL, CAMCORDERS, WORLDWIDE USE, ASMAR OVERSEAS SHIPPERS, 5568 Sepulveda Boulevard, Culver City, CA 90230. PHONE: (310) 398-0080. (800) 723-4646.

SUPER VHS

Super VHS Movies America's #1 supplier of S-VHS titles. All professionally duplicated. **No VHS owners please!** 1-800-331-6304. Super Source Video, P.O. Box 410777, San Francisco, CA 94141.

TRANSFERRING

DIGITAL CONVERSIONS \$24.95. VIDEO-CASSETTE DELIVERED. QUALITY GUARANTEED. SAME DAY. A.I.V., 595 CIRCLEWOOD, AURORA, OH 44202 (216) 562-8983.

DIGITAL CONVERSIONS - LOWEST RATES Guaranteed quality. All Standards/Formats. INTERVIDEO 3533 S. Archer, CHICAGO, IL 60609 1-800-726-1315.

DIGITAL VHS CONVERSION, NTSC / PAL / NTSC. \$25.00 inclusive. By return service, EDENBRIDGE VIDEO, P.O. Box 4025, EDEN, NC 27289. (919) 635-5555

INTERNATIONAL VIDEO SYSTEM CONVERSIONS DIGITAL ON HIGH GRADE TAPE. TO AND FROM ANY COUNTRY SAME DAY SERVICE \$20.00 + \$3.00 SH CALL (713) 583-8340 INTERNATIONAL VIDEO SERVICE, 5035 KLEINWAY, HOUSTON, TX 77066

FOREIGN DIGITAL CONVERSIONS, FOR WORLDWIDE TELEVISION STANDARDS REASONABLE RATES & FAST SERVICE. OVERSEAS VIDEO, 203 PEPPERIDGE CIRCLE, STREAMWOOD, IL 60107. 1-800-782-4622.

BROADCAST QUALITY FOREIGN CONVERSIONS. Highest professional standards. New lower rates starting at \$25.00! Same day service available. **ALL WORLD STANDARDS AND FORMATS. VISA/MC. CREATIVE AV CONCEPTS, INC. 1500 OLD DEERFIELD RD #13 HIGHLAND PARK, IL 60035 1(800) 477-7001.**

FOREIGN VIDEO CONVERSIONS. Through digital process. PAL/SECAM, RK VIDEO DUB INC. 60-15 ROOSEVELT AVENUE, WOODSIDE, N.Y. 11377. 1-800-851-8514. 1-718-639-2881.

VIDEO DISCS

BETA, CED, 3MM, LASER, VHS MOVIES. THOUSANDS AT DISCOUNT PRICES. SPECIFY FORMAT. CATALOG: \$2.50 - REFUNDABLE. MAILBOX VIDEO, 3595 LA PLAYA, DEPT. D, WEST BLOOMFIELD, MI 48324

WRESTLING

FEMALE WRESTLING/FIGHTING DIRECTORY OVER 1,000 WORLDWIDE LISTINGS OF VIDEO/FILM OUTLET TURNED ON BY SEXY FEMALE WRESTLERS/BOXERS/BODYBUILDERS, ETC.??-WE'RE A MUST! \$35.00. AM-FEM, BOX 93(K), COOPER STATION, NEW YORK, N.Y. 10003. "...a grabber publication!"-PLAYBOY

CABLE

CABLE T.V. EQUIPMENT

WHY PAY A HIGH MONTHLY FEE?

All makes and models! Low Prices. Quantity discounts. 60 Day Warranty. Shipment within 24 hours. Stamped envelope (50¢) for FREE catalog. C.O.D. orders accepted. No Illinois orders.

L&L ELECTRONICS, INC.

1430 Miner St., Suite 522
Des Plaines, IL 60016

YEARS OF CUSTOMER SATISFACTION!

Information
1-(708) 438-4056
Orders
1-800-542-8190

Customers agree to comply with all State and Federal laws regarding private communication. Cable T.V. equipment is sold on a cash basis only.

VIDEO CLASSIFIEDS

**CABLE TV
DESCRAMBLERS**
1-800-233-9388
FREE CATALOG
GUARANTEED BEST PRICES • IMMEDIATE SHIPPING
APPLE ELECTRONICS
3389 Sheridan St., Suite 257
Hollywood, FL 33021

CABLE TV DESCRAMBLERS & MORE
Call for your wholesale catalog.
(800) 835-2330
(800) 327-8544
Top of the line...
• Converters
• Bullet Protectors
• Coaxial Cable Kits
• Wireless Cable System
Best Buys & Best Service!

Multi-Vision Electronics, Inc.
2730 So. 123rd Ct., Ste. 126 Omaha, NE 68144
Purchaser agrees to comply with all laws regarding
ownership of Cable TV equipment. If you are unsure
of these laws, check with your local officials.

CABLE TV DESCRAMBLERS
★ CONVERTERS ★
and ACCESSORIES.
**SAVE MONEY.
DON'T RENT!**
PANASONIC, JERROLD, OAK,
PIONEER, SCIENTIFIC ATLANTA
AND MORE. LOWEST PRICES. FREE CATALOG.
CABLE READY COMPANY (800) 234-1006

**CABLE TV
DESCRAMBLER LIQUIDATION!**
FREE CATALOG!
Hamlin Combos \$44, Oak M35B \$60 (min. 5), etc.
WEST COAST ELECTRONICS
For information: 818-709-1758
Catalogs & Orders: 800-628-9656

**DESCRAMBLERS
& CONVERTERS**
1 800 643-4258
• All Makes & Models
• 30-Day Money Back
Guarantee
• Free Catalog
Showtime Cable
643 N. 98th Street, Suite 260
Omaha, NE 68114

VISA CABLE T.V. MasterCard
DESCRAMBLERS
LOWEST PRICES • CMC Concepts, Inc.
• Money Back Guarantee • MPLS., MN 55444
BIG SALE MON-FRI
Please have MODEL used in your area when calling
DEALERS WANTED EARN EXTRA \$\$\$ 1-800-535-1843

VIDEO CLASSIFIEDS

CABLE TV EQUIPMENT
The nationwide source for cable
TV equipment. "Buy where the dealers buy."
**FREE TV CABLE DESCRAMBLERS &
CONVERTERS CATALOG. CALL TODAY!**
MEGA ELECTRONICS VISA • MC • C.O.D. • SAVE 1000's
1-800-676-6342 71 South Main Street,
Winter Garden, FL 34787

FREE CATALOG! 1-800-345-8927
JERROLD HAMLIN OAK ETC
CABLE TV DESCRAMBLERS
• Special Dealer Prices! • Compare Our Low Retail Prices!
• Orders From Stock Shipped Immediately!
• Guaranteed Warranties & Prices! • All Major Credit Cards
PACIFIC CABLE CO., INC.
7325 1/2 Reseda, Dept. Reseda, CA 91335
For catalog, orders & information 1-800-345-8927

CABLE TV DESCRAMBLERS
WE HAVE WHAT YOU WANT AND MORE!
We offer a full line of original and aftermarket
descramblers for Jerrold, Pioneer, Zenith,
Scientific Atlanta, General Instrument...
Call for
information
& pricing
\$89
Panasonic Cable TV Converter
\$49
VIDEO STABILIZER
Allows you to copy movies protected by
Macrovision and other copy protection sys-
tems. Metal case w/9v battery included.
Optional AC adapter \$6.
CALL 800-487-2225 Gault, Inc.
9322 W. Bell Rd. D-106
Glendale, AZ 85306

**CABLE
DESCRAMBLERS**
ALL MAJOR BRANDS
WE BEAT ANY PRICE!
MONEY BACK GUARANTEE!
PLEASE HAVE MAKE AND MODEL NUMBER
READY WHEN CALLING
CABLE HOTLINE 800-497-6273

CLASSIFIEDS
FOR MORE INFORMATION
CALL 212-947-6500

ACCESSORIES
**SINGERS! REMOVE
VOCALS!**
Unlimited Backgrounds!
From Standard Records & CD's, with the
Thompson Vocal Eliminator! Call for Free
Catalog & Demo Record.
Phone: (404) 482-2485 Ext. 40
Singer's Supply, Dept. VJ
7984 Hightower Trail
Lithonia, GA 30058
24 Hour Demo/Info Request
Line (404) 482-2485 Ext. 40
Singer's Supply • We Have Anything & Everything For Singers

SATELLITE
SATELLITE TV
NAME BRANDS AT 50% DISCOUNT
This FREE 24 page Consumer Buying
Guide tells all about Satellite TV and
lists guaranteed lowest prices.
Satman, Inc.
6310 N University, No. 3798 • Peoria, IL 61612
1-800-472-8626

VIDEO CLASSIFIEDS

**STOP JAMMING
ME!**
If you rent video tapes they're
jamming you too.

When playing back rented movies you will notice annoy-
ing flashes, streaks, jitters ect. This is caused by copy
protection jamming embedded in the video. The
MVE2000 will spot and completely eliminate Macro-
vision and all current copy protection and jamming giving
you a crystal clear picture.

Guaranteed eliminates all copy protection
*Works on all Tv's, VCR's, Beta, cable.
*Completely automatic no adjustments.
*Digital state of the art.
*1 year warranty.

\$59.95
Add \$5.00 S/H
or
Super VHS
Model \$99.95



Order toll free
VISA M/C A.X. C.O.D. DISCOVER
1-800-967-2603
OR
402-553-3266
DISTRIBUTORS UNLIMITED
643 N. 98th St. #254 Omaha, NE 68114

Quality Microwave TV Antennas
WIRELESS CABLE • IFTS • MMDS • Amateur TV
Ultra High Gain 50db (+) • Tuneable 1.9 to 2.7 Ghz
• 55-Channel Dish System \$199.95
• 36-Channel Dish System \$149.95
• 20-Channel Dish System \$124.95
• Optional Commercial Gho Antenna (not shown) Add \$50.00
• Yag Antennas Components Custom Tuning Available
• Call or write (SASE) for "FREE" Catalog
PHILLIPS-TECH ELECTRONICS
P.O. Box 8533 • Scottsdale, AZ 85252
(602) 947-7700 (\$3.00 Credit all phone orders)
MasterCard • Visa • American Express • C.O.D.'s • Quantity Pricing

SAVE 40% to 60% **SATELLITE TV** **FREE \$6 pg Catalog**
NAME BRAND EQUIPMENT & ACCESSORIES
Systems • Upgrades • IRDs • Movers • Feeds
LNBs • 3' to 24' Dishes and much more...
100% Satisfaction Guaranteed
800-334-6455
218-739-5231 Int'l
218-739-4879 Fax
Skyvision, Inc.
1028 FRONTIER DRIVE FERGUS FALLS, MN 55637
INSTALL OR UPDATE YOURSELF!

VIDEO DISCS
AMERICA'S LEADING SUPPLIER OF VIDEO TAPE 1-800-245-6000
T120 STD. NO. HPT PRO T160 T160HG STC30 SMM9-B S-WHS SMM120
TDK 219 319 499 639 399 499 639 799 399
MAXELL 229 329 499 399 499 639 799 399
SONY 299 319 499 399 499 639 799 399
SONY 229 299 349 399 499 639 799 399
FUJI 219 329 399 399 499 639 799 399
JVC 219 319 479 599 499 639 799 399
SCOTCH 249 339 479 549 499 639 799 399
BASF 199 289 349 449 499 639 799 399
TKL SONY 1750 3.58 BT04 & B1 SONY TKL HME 120 13.95 COMPLETE LINE TDK MAXELL SONY FUJI
We Sell Any Computerized Total Circle Inventory System. For a 4-1/2" Shipping & Business Address, Shipping
to a Residence is \$4.95 for 120 Tapes 5.95 for 24 or more. C.O.D. fee \$4.95 per Package. All Tapes have 15
Warranty VISA MC Discover No Extra Order Shipped Insured Day Parcel Post S/H Ctl. BETA ED Best
Electronics Mini-Systems Cat DAT Portables 899 00 JVC VCRS LOW!
TAPE WORLD OUR 18TH YEAR
Call M. F. 8:30 - 5:00 220 Spring St. Box 381 Butler PA 16003 Mon. 412 283 5521 Fax 412 283 8258

VIDEO CLASSIFIEDS



WE OFFER:
The Largest Inventory!

FREE! New Release Mailings!

10% OFF
on all Titles!
15% OFF
on 3 or More Titles!

FROM THE DIRECTOR OF "SEVERELY HILLY COM"

PACINO



1993 Academy Award® Winner
Best Actor
Al Pacino

SCENT OF A WOMAN

UNIVERSAL

Call **1-800-935-9211** Today for Immediate Service or Send to:
LASER WORLD
 3305 Corporate Ave. Ft. Laud., FL 33331
 *Major Credit Cards Accepted!
 Hours: 8:30AM - 5:30PM Mon. thru Fri.
 FAX Your Order! (305) 384-0926!

LASER DISCS
OVER 8,500 TITLES!

USA's Largest In-Stock Selection!
 10% To 20% Discount On All Titles. * Special Sale Lists To Preferred Customers. * Exclusive **NO TIME LIMIT** Disc Warranty. * Visa, Mastercard, C.O.D.'s Accepted.
 Free Catalog, Call Or Write:
STARSHIP INDUSTRIES
 605 Utterback Store Road, Great Falls, VA 22066.
 (703) 450-5780, 430-8692. Fax: (703) 430-6657.
 Hours: 11 AM to 7 PM, Monday-Friday

NEW & USED LASERDISCS!!
 We stock over 2,000 used & over 6,000 new LV titles! & we take your Used Discs in trade!!
 INDUSTRY'S BEST SELECTION & SERVICE SINCE 1984
IMPORTS, CD-I, CD-ROM & KARAOKE, TOO!!
 Sight & Sound 617 894-8633 fax 617 894-9329
 27 Jones Rd., Waltham, MA 02154

01 LASER VIDEO

Discounts

All laserdiscs	10%
Orders over \$150	12.5%
Orders over \$250	15%
Pre-orders	12.5%
Karaoke discs, CDG	

Free catalog

Free UPS Ground (CONTINENTAL U.S.)
 Visa, MasterCard, American Express, COD's, & checks

We carry every title of laserdisc.
We carry LaserKaraoke players and All Sizes LaserKaraoke Discs.

We can special order Japanese Import laserdiscs.
 Mon-Fri 9 - 9 / Sat 11 - 9 / Sun 11 - 6

Toll free (800) 342-9715 or 714-848-4034

(FAX) 714-841-3304

8780 Warner Ave., #14, Fountain Valley, CA 92708



Available Exclusively From...

image ENTERTAINMENT
 "The Finest In LaserDiscs"

VIDEO CLASSIFIEDS



WE STOCK EVERY TITLE
 Largest mail order retailer in the U.S.

- Fastest availability on new titles
- Most orders shipped same day
- 10% discount on all titles
- Free UPS Shipping in Continental U.S. (2nd Day Air Only)
- Visa, Mastercard, Amex, checks & C.O.D.

For Free Catalogue Call or Write

Ken Crane's
 1-714-892-2283
 1-800-624-3078
 IN CA 1-800-626-1768
 15251 Beach Blvd., Westminster, CA 92683

Circle 155 on Reader Service Card.

EXOTIC CARTOONS

#1- GONAD THE BARBARIAN
#2- OFFENDERS OF THE UNIVERSE
#3- PANDORA, AN EXOTIC TRILOGY
 Each Cartoon is feature length, in stereo/Hi Fi. Only \$28.⁹⁵ each + \$3.⁰⁰ shipping (you must be 21).

EXCALIBUR FILMS
 1-800-289-6684
 3821 W. COMMONWEALTH, FULLERTON, CA 92633
 Write for free catalog. Contains thousands of sizzling video movies for every interest and taste.
 Save up to 84% over retail price.

FREE CATALOG

Circle 156 on Reader Service Card.

MOVING?

Don't risk missing an issue. If you're changing your address, please give us 8 weeks notice. Simply PRINT your new address below and mail this coupon—ALONG WITH YOUR CURRENT SUBSCRIPTION MAILING LABEL—to: VIDEO, P.O. Box 56293, Boulder, Colorado 80322-6293 (please print)

Name _____

Address _____

City/State/Zip _____

MAIL-ORDER GUIDELINES

Note: These regulations do not pertain to orders placed over the telephone and charged to a credit card.

SUGGESTIONS FOR MAIL-ORDER PURCHASERS

1. Read the ad carefully.
2. Whether you place your order by mail or by telephone, confirm the exact price (including any rebates) and any additional costs such as warranties, shipping, handling and insurance before you place your order.
3. Check with the advertiser regarding any warranties offered or available for purchase.
4. Check whether the advertiser has a return policy and a restocking charge.
5. Keep a record of your order and all other transactions and get the names of all persons with whom you speak.
6. Never send cash. Pay by check or money order or with a credit card so you will have a record of your transaction. If you pay by credit card, you may have a greater measure of recourse in the event the advertiser does not perform. (Check the complaint procedures of your credit card companies.)
7. If you receive damaged or improper merchandise, contact the advertiser as soon as possible.
8. Get a receipt from the shipper whenever you return merchandise.
9. Since VIDEO Magazine will not continue to accept advertising from businesses that have engaged in a regular pattern of unfair or improper dealing with our readers, try to determine which have been long-standing advertisers.

WHAT TO DO IF YOU HAVE A PROBLEM

1. Allow 30 days for receipt of order or delay notification.
2. Contact the advertiser in writing, stating the merchandise ordered, the price and date of order, and the nature of your complaint. Include proof of payment (copy of cancelled check, showing both sides, credit card statement, etc.). Keep a copy for your records.
3. Allow two weeks for a response from the advertiser.
4. If your complaint is still not resolved, contact us *in writing* (no phone calls, please), enclosing copies of all correspondence and proof of payment along with an explanation of what has transpired.

Mail to:

VIDEO Magazine
 Advertiser Complaint Dept.
 460 West 34th Street
 New York, NY 10001

Other organizations that can assist you if you have a problem.

The Direct Mail Marketing Association
 Mail Order Action Line
 6 East 43rd Street
 New York, NY 10017

Your local postmaster
 (Ask for the name and address of the appropriate "Inspector-in-Charge.")

Your state or local consumer protection office or the office closest to the advertiser.

The Better Business Bureau.

Your state Attorney General's office.

WE WELCOME CALLS!

SONY

JVC

Panasonic

FUJIX

RCA

VIDEONICS

Scotch

RICOH

TDK

BOSE

maxell.

Nady

Canon

simq

MINOLTA

BOGEN

Citizen

Panasonic

RECOTON

AIWA

AMBICO

AUDIO SOURCE

SHARP

EVERQUEST

Vivitar

CRAIG

AZDEN

VIRTUAL VISION

VANGUARD

CASIO

SUNPAK

MONSTER CABLE

LENMAR

DISCWASHER

VIDCAM

ADVENT

TUNDRA

GO - VIDEO

FUJI

AUTHORIZED DEALER



PLANET



ALL MERCHANDISE FACTORY SEALED

CODE VI 54

ELECTRONICS

WE SHIP C.O.D.

NOBODY BEATS US!

IF YOU FIND A BETTER DEAL... WE'LL BETTER OUR DEAL!

8418 Lilley
Canton, Michigan 48187
800-247-4663
in Michigan, call:
313-453-4750

PLANET'S PHILOSOPHY

Our goal is to provide the best prices on the equipment we offer. We value repeat business and referrals. Therefore, service must be provided before and after the sale.

MACRO BUSTER
\$49

Removes copy protectors
100% GUARANTEED

All merchandise is authorized and factory-sealed. No credit card fees. No excessive shipping charges. No "Bait and Switch".

As a PLANET customer your satisfaction is our success. If you have any questions or problems, please call customer services.

800-247-4663

ALL ORDERS SHIPPED WITHIN 24 HOURS

OVER-NIGHT AVAILABLE

BOSE

AUTHORIZED DEALER

ADVENT

AUTHORIZED DEALER

SPEAKERS

PLEASE CALL!

VIRTUAL VISION



Great for camcorders • watching TV • much more

SONY
AUTHORIZED DEALER
VCR'S • TV'S
CAMCORDERS
AUDIO-VIDEO PRINTERS



THANK YOU!

800-247-4663

RCA
AUTHORIZED DEALER

VCR'S • CAMCORDERS • TV'S

Panasonic
AUTHORIZED DEALER
CAMCORDERS VCR'S TV'S
AG455 AG195 AG1240 CT2083VY
AG460 AG3 AG1740 CT1383VY
PROJECTORS AG1970 EDITORS
PT10L AGW1 WJMX30

PRO LINE

JVC

AUTHORIZED DEALER

AUDIO/VIDEO RECEIVERS

CASSETTE DECKS • VCR'S • TV'S

CAMCORDERS • CD'S



Canon
AUTHORIZED DEALER
CAMCORDERS
WE STOCK 'EM ALL.



SHARP

AUTHORIZED DEALER

CAMCORDERS

PLEASE CALL!



Citizen
LCD 3" COLOR MONITOR M329
LCD 4" COLOR MONITOR M938



VIDEONICS

TITLEMAKER • EDITMAKER

SPECIAL EFFECTS MIXER • COLOR

EQUALIZER • THUMBS UP



BOGEN TRIPODS

3124 - Dolly 3144 - Shoulder Mount

3016 - Monopod 3179 - Tri-pod

3116 - Mini 3170 - Tri-pod Please

3140 - Pro 3160 - Tri-pod Call!

simq VIDEO EDITORS

TITLERS • LIGHTS • MIXERS Please

BATTERY REFRESHERS Call

Panasonic

AUTHORIZED DEALER

VCR'S • CAMCORDERS

TV'S • VIDEO PROJECTORS

EDITOR • VIDEO PRINTERS



FUJIX

AUTHORIZED DEALER

CAMCORDERS VIDEO

FUJF120SW PROJECTORS

F122SW P701

F128SW P404



AIWA

AUTHORIZED DEALER

MINI AUDIO SYSTEM

PAL/SECAM VCR's



AZDEN - VIDEO MIC'S

IMPROVE CAMCORDER PERFORMANCE

LENS • REWINDERS • MIXERS

Please Call



Nady



PRO VIDEO MIC'S • HEADPHONES

Call for Details



FREE CATALOG

64 PAGES FILLED WITH PRICING & SPECS ON CAMCORDERS, TV'S, VCR'S AND ALL AUDIO/VIDEO PRODUCTS.

CALL CUSTOMER SERVICE
800-247-4663

WHATEVER YOU NEED

IN VIDEO ...



WE STOCK IT!

JUST CALL!

YOUR SATISFACTION IS

OUR SUCCESS!



CAMCORDER ACCESSORIES

Lights • Lenses • Tripods • Editing

Rewinders



It's 2008. Do you know where your television is?

The year is 2008.

Diminishing groups of aging videophiles, known once as baby boomers, are celebrating the thirtysomething anniversary of the VCR. In its heyday, 15 years ago, the VCR was the movie culture's primary playback machine. Today, video junkies await instead the boxed set of *The Tonight Show*, 30 years of Johnny Carson on one CD with a Video MiniDisc for Leno, Paar, Joan Rivers and new *Tonight* hosts like Macaulay Culkin.

Most learned of the release by scanning *The L.A. Video Times* on handheld "digital assistants." The viewers, with color LCD screens, are finally living up to their promise as more publications broadcast electronic editions. The

arcades. Traveling executives carry cellular videophones, kids carry video beepers, and felons under house arrest wear video detention bracelets.

The newest camcorders, dubbed DisCorders, use erasable MiniDiscs powered by blue-light lasers. They're small enough to compete with the digital video cams that only a few years ago started to replace VHS and 8mm models. There's even talk of solid-state camcorders. These "chipcams" will have almost no moving parts and rely on a flash-memory microchip to store 20 minutes of video per shoot.

It's thought 20 minutes will be enough time to make chipcams viable, since most video is now shot in brief seg-

they may be.

With so much action on the airwaves, few want to be without some sort of TV monitor for very long. In the full-spectrum culture of 2008, it's no longer a question of what show's on when. Everything's on all the time. Total access has met instant gratification. News, sports, movies, concerts, dramas, sitcoms and special events are all "available-on-demand," 24 hours a day, every day.

One needs only the time and money to plug in and watch, aided perhaps by a few sessions with a personal video consultant. These skilled professionals serve, like travel agents, as essential guides through the web of programs, services and systems everyone must now choose among.

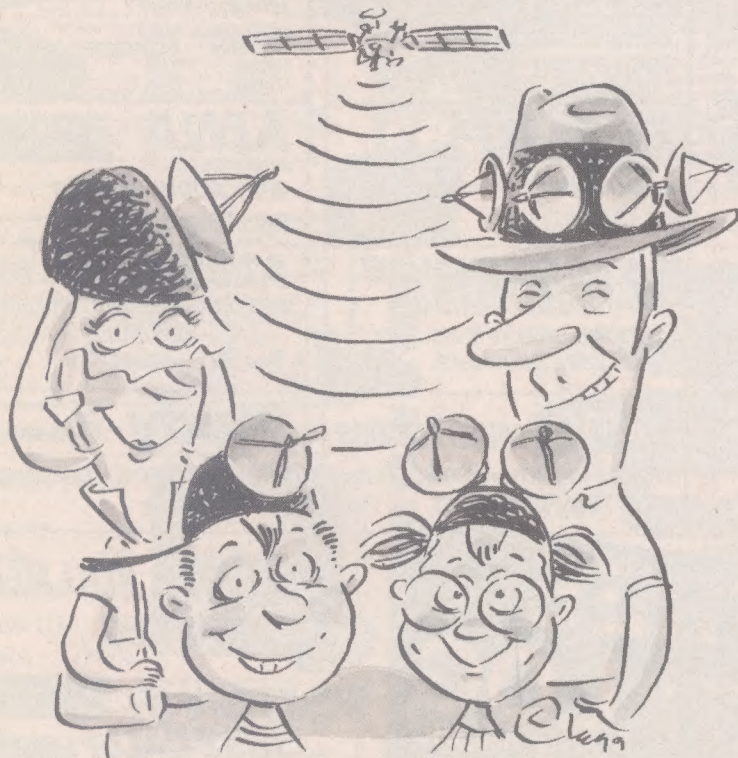
And pay for. Subscriber fees, as always, are controversial, especially now when virtually everything watchable is pay-per-view, with premium charges for prime-time hours and high-definition reception. Of course, some broadcasts are still free—Congress would never allow this tradition to die out—but they tend to be home-shopping programs.

Not all is copacetic in video's brave new world. Big, flat TV screens are still thought to be about 10 years away, video viruses occasionally cause TVs to crash, and Sega's new holographic projectors have a dimensional picture resolution so weak it's been compared to VHS.

On a broader level, the personal Video Identification Numbers that make it possible for people to access video-based services wherever they are have also led to a black market in stolen VINs. Meanwhile, state legislatures debate the need for Grants in Video Aid for Dependent Families, believing that essential video services like 911 Telemergency Calls cannot be reserved only for those with health insurance. For the interpersonally challenged, an on-line network, cruelly known as Technogeeks Anonymous, is offering the first 12-step program for people who can no longer communicate by non-electronic means. Don't laugh—membership is growing fast and discounts are available.

The year, after all, is 2008. ■

With contributions by Jim Barry, April Bernard, Brent Butterworth, Brian Clark and Kenneth Korman.



screen dumps look like newspaper pages, but the stories can be read or listened to while the pictures trigger video clips.

The world of 2008 is different in many ways from the one we recall from '93. Most home theaters have two-seat magic-motion machines, small versions of the big ones theme parks pioneered in the early '90s. Video rental stores have turned into multimedia entertainment

ments for business purposes and sent, by videophone and fax services, directly to desktop monitors or palmtop beepers.

Mobility is still highly valued. Indeed, the latest antennas for direct-broadcast satellites can be built into hatbands, leading to a flurry of trendy chapaus like the Steadicap and the DBS Walkabout, so people can stay in touch, using their digital assistants, wherever

STOP SHOOTING ORDINARY VIDEOS. AND START CREATING EXTRAORDINARY ONES!

Now, create your most dazzling videos ever! All you need is a copy of *Camcorder Magic*, the video guide that shows you step-by-step how to transform your videos into professional-quality productions. Developed by top video producers and VIDEO

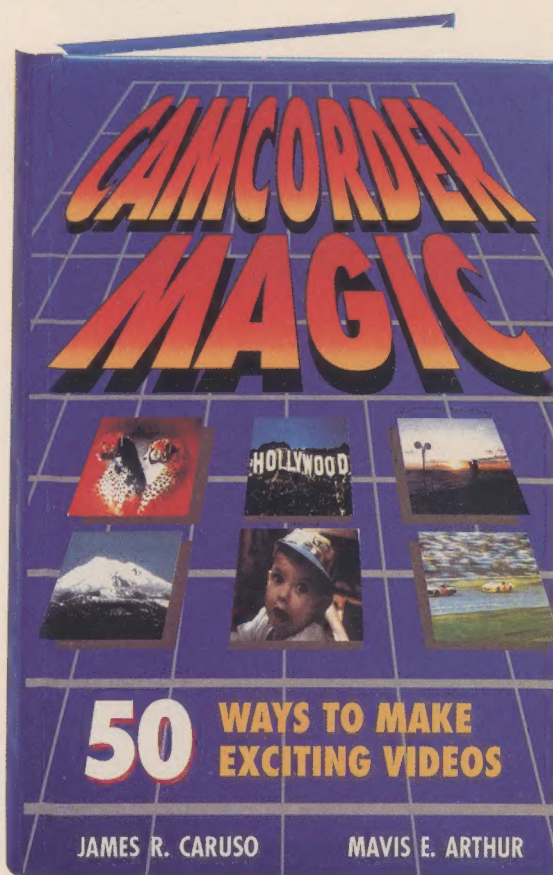
Magazine contributors James Caruso and Mavis Arthur, *Camcorder Magic* will change the way you shoot videos. Over 190 fact-packed pages and *hundreds* of color photos show you:

- How to choose the perfect camera point-of-view.
- Professional techniques for capturing fast action.
- How to create smooth transitions between shots.
- Simple methods for adding titles and graphics to your productions — no matter what equipment you own!
- How to get great results in low-light situations.
- The secrets of shooting fascinating candid interviews.
- How to create animation — with *any* camcorder.

- Easy-to-master methods for achieving time-lapse effects, colorization, and other special effects.
- Lighting tricks the pros use to set the right mood.
- How to use miniatures to add realism to your videos.

- Imaginative effects you can achieve with filters, lenses, and homemade masks.
- How to master professional skills — from handheld moves and tripod shooting to camera angles, perspective and depth of field.
- Editing ideas that turn raw footage into masterpieces.
- How to record your photos, slides and home movies onto video tape.
- Secrets of Hollywood's make-up artists.

Plus -- camcorder care, choosing the best tape, preserving tapes properly, and much more. It's the ultimate guide to getting the most out of your camcorder. Send for yours today!



YES, send me CAMCORDER MAGIC!

My payment of \$12 plus \$3 shipping and handling (\$15 total per copy) is enclosed. (Make check or money order payable to Reese Communications.)

NY State residents, please add appropriate sales tax. Outside U.S., \$16 total. Allow up to 4 weeks for delivery.

Name _____
(please print clearly)

Address _____

City _____ State _____ Zip _____

No. Copies _____ Payment Total \$ _____

Clip & Mail with payment to: CAMCORDER MAGIC,
VIDEO Magazine, 460 West 34th Street, New York, NY 10001

VM09/3



SWEETER STRINGS.

Sweeter, smoother strings are within the domain of only the very finest loudspeakers. Strings are reproduced flawlessly by the Infinity Kappa Series, which employs all our most advanced technologies: Emit-R™ Planar Tweeters,



Polydome™ Mid-ranges, IMG™ Woofers and the Control Q System.™

All of this advanced technology is deliciously housed in a choice of elegant oak or black genuine wood veneer cabinetry.

If sweeter strings are music to your ears, the Infinity Kappa Series are an absolute rhapsody.

 **Infinity**®

AS FAR AS YOU CAN HEAR.